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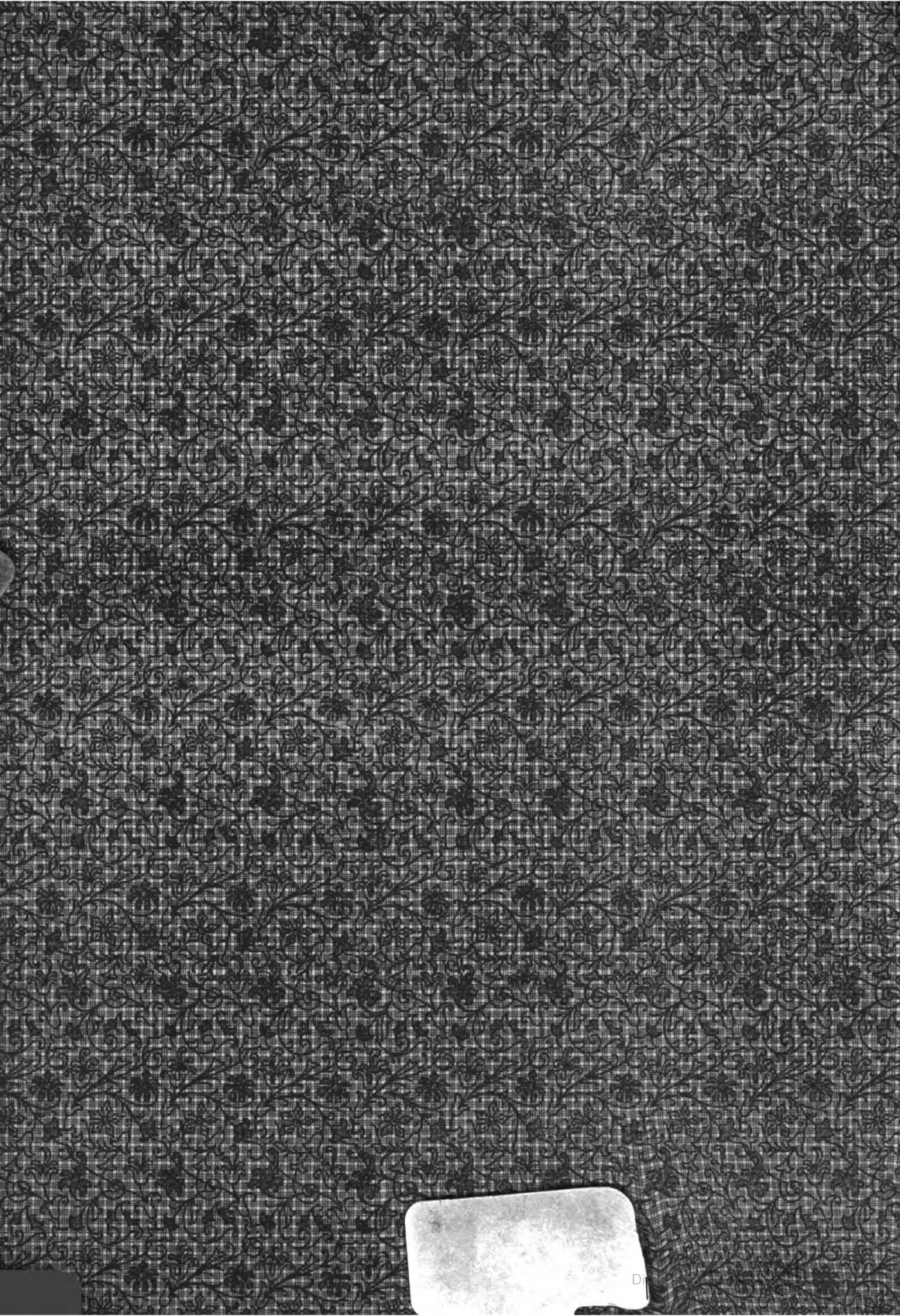
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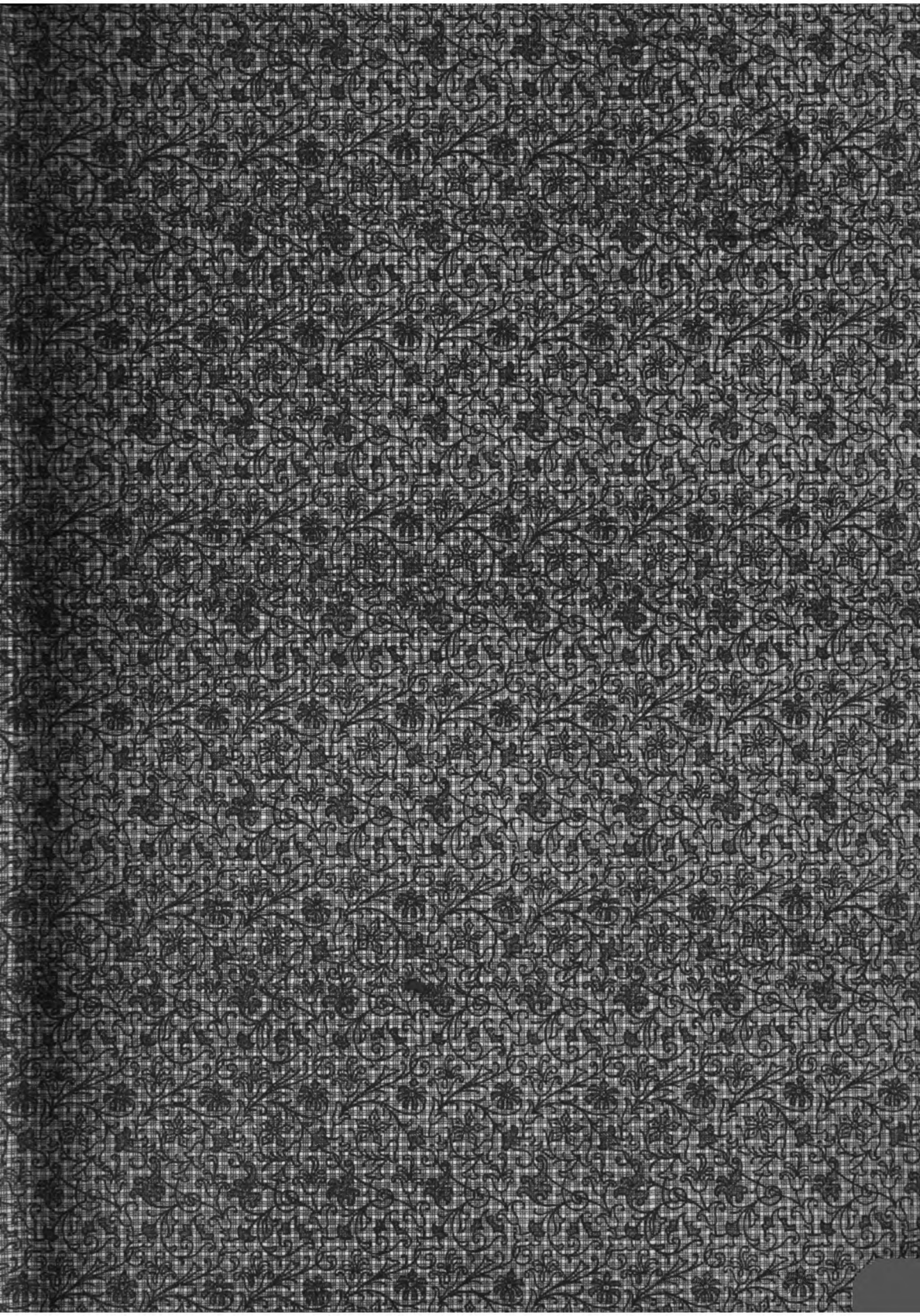
CITY OF NEW YORK

**DEPARTMENT OF DOCKS
AND FERRIES**

ANNUAL REPORT

For the Year Ending December 31, 1899







Card
TWENTY-NINTH

ANNUAL REPORT

OF THE

DEPARTMENT OF DOCKS AND FERRIES

FOR THE YEAR ENDING DECEMBER 31, 1899.



NEW YORK :
MARTIN B. BROWN CO., PRINTERS AND STATIONERS,
Nos. 49 TO 57 PARK PLACE.
1900.



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REPORT.

DEPARTMENT OF DOCKS AND FERRIES,
PIER "A," BATTERY PLACE, NORTH RIVER,
NEW YORK, December 31, 1899. }

To the Honorable ROBT. A. VAN WYCK,
Mayor of The City of New York :

SIR—The Board of Docks, in pursuance of section 829 of chapter 16 of the Greater New York Charter, has the honor to present its Annual Report for the year ending December 31, 1899, as disclosed by the records of this Department, containing : " 1st. The name, occupation and compensation of all officers, clerks and agents appointed and employed by said Board. 2d. A statement of the action of the Board of Docks for the past year, classified with reference to the various subjects and duties which have engaged its attention. 3d. A list of the orders and rules made by said Board of Docks and a description of the contracts made by said Board, the payments made by said Board and the purposes and amounts thereof ; and the leases made by said Board, for what term, at what rent, to whom and for what property."

Very respectfully,

J. SERGEANT CRAM,
CHARLES F. MURPHY, } *Commissioners*
PETER F. MEYER, } *of Docks.*

WM. H. BURKE,
Secretary.

Commissioners' Office.

NAME.	RESIDENCE.	NATURE OF POSITION OR SERVICE.	SALARY OR WAGES.
J. SERGEANT CRAM.....	17 E. 45th st.	Commissioner (President).	\$6,000 00
CHARLES F. MURPHY.....	309 E. 17th st.	Commissioner (Treasurer).	5,000 00
PETER F. MEYER.....	190 Lenox ave.	Commissioner	5,000 00
William H. Burke.....	38 W. 115th st.	Secretary	4,800 00
Charles J. Farley.....	128 E. 63d st.	Assistant Secretary.....	3,000 00
John M. Phelan.....	451 E. 119th st.	Chief Clerk.....	3,000 00
Charles J. Collins.....	333 E. 18th st.	Clerk.....	3,000 00
James Weir.....	Seaside, Borough of Rich- mond.....	Apportionment Clerk	2,400 00
Robert F. Aram.....	540 W. 158th st.	"	1,500 00
Louis S. Kellogg.....	258 W. 22d st.	Clerk	2,000 00
Daniel D. Barry.....	505 W. 138th st.	"	1,800 00
Charles F. Friedman.....	36 E. 73d st.	Clerk to the Treasurer.....	1,500 00
George E. Weller.....	323 E. 150th st.	Private Secretary to Presi- dent.....	1,500 00
Francis McMullin.....	123 E. 106th st.	Private Secretary to Com- missioner	1,500 00
Peter J. Quigley.....	172 E. 111th st.	Private Secretary to Treas- urer.....	1,500 00
Martin J. McInerney.....	55 Tompkins st.	Collector	1,800 00
Robert Gere.....	119 Locust ave., Yonkers.	"	1,800 00
Frank J. Butler.....	522 Grand st.	"	1,800 00
Francis J. Ryan.....	719 Greenwich st.	Official Stenographer.....	1,500 00
Richard B. Ross.....	129 W. 134th st.	Stenographer and Type- writer.....	1,200 00
Bernard V. Levey.....	181 W. 10th st.	Stenographer and Type- writer	1,200 00
William V. Levy.....	8 E. 97th st.	Stenographer and Type- writer	1,000 00
William J. Fay.....	119 W. 137th st.	Messenger	1,200 00
Thomas C. Carroll.....	154 E. 49th st.	"	900 00
John T. O'Brien.....	442 E. 14th st.	"	900 00
Bernard P. Gibney.....	639 E. 138th st.	"	900 00
Mary Dowling.....	58 Gansevoort st.	Cleaner.....	540 00
Catharine Lyons.....	141 Division st., Brooklyn.	"	540 00
Mary F. Meyer.....	145 Greenwich st.	"	540 00
Annie Gerlach.....	307 Avenue C.....	"	540 00

Dock Superintendent's Office.

William O'B. Walker.....	11 W. 39th st.	Dock Superintendent.....	\$3,000 00
Charles A. Manly.....	163 McDonough st., } Brooklyn	Assistant Dock Superin- tendent.....	2,000 00
Joseph F. Cadley.....	28 Third ave., Brooklyn..	Stenographer and Type- writer.....	1,200 00
Edward Abeel.....	1006 Bergen st., Brooklyn.	Dock Master.....	1,500 00
Gerard Bancker.....	405 W. 22d st.	"	1,500 00
Walter O. Bolas.....	73 Conselyea st., Brooklyn	"	1,000 00
Thomas E. Booth.....	Vanderbilt Hotel, W. 42d street.....	"	1,500 00
Thomas Brady.....	204 Henry st.	"	1,500 00
William H. Burns.....	681 Lexington ave.	"	1,500 00
William Capels.....	244 W. 31st st.	"	1,500 00
Thomas B. Culkin.....	63 Jane st.	"	1,500 00

NAME.	RESIDENCE.	NATURE OF POSITION OR SERVICE.	SALARY OR WAGES.
John Clark.....	200 W. 69th st.....	Dock Master.....	\$1,500 00
James Daly.....	Hotel Cadillac.....	".....	1,500 00
Rufus Darrow, Jr.....	308 W. 91st st.....	".....	1,500 00
William Fox.....	73 Stanton st.....	".....	1,500 00
James J. Fleming.....	228 E. 13th st.....	".....	1,500 00
Richard Fullam.....	422 E. 81st st.....	".....	1,500 00
Thomas F. Geary.....	162 Hester st.....	".....	1,500 00
L. Hitch Harrison.....	198 Hudson st.....	".....	1,500 00
Victor Heimberger.....	271 E. 7th st.....	".....	1,500 00
Patrick Hennessey.....	391 Second ave.....	".....	1,500 00
P. W. Heyer.....	82 W. 91st st.....	".....	1,500 00
Edward F. Kennedy.....	71 E. 127th st.....	".....	1,500 00
Thomas Lusk.....	303 E. 86th st.....	".....	1,500 00
William J. Matthews.....	360 W. 51st st.....	".....	1,500 00
Martin Mauer.....	666 Sixth ave.....	".....	1,500 00
John W. Morgan.....	50 Second st.....	".....	1,500 00
John R. Powers.....	355 W. 42d st.....	".....	1,500 00
John Power.....	11 W. 40th st.....	".....	1,500 00
George Riggs.....	58 St. Mark's pl., Brooklyn	".....	1,500 00
William H. Rockwell.....	109 W. 78th st.....	".....	1,500 00
John J. Scanlon.....	2021 Lexington ave.....	".....	1,500 00
James G. Shand.....	319 E. 35th st.....	".....	1,500 00
Maurice Stack.....	18 West st.....	".....	1,500 00
William J. Tobin.....	220 W. 70th st.....	".....	1,500 00
John J. White.....	89 E. 4th st.....	".....	1,500 00
John C. Wilcox.....	169 Bushwick ave., Brook- lyn.....	".....	1,500 00
Peter Woolley.....	538 E. 85th st.....	".....	1,500 00

Construction and Repairs.

J. A. Bensel.....	31 W. 56th st.....	Engineer-in-Chief.....	\$6,000 00
Chandler Davis.....	30 E. 39th st.....	Assistant Engineer.....	1,800 00
S. W. Hoag, Jr.....	1718 Madison ave.....	".....	3,000 00
W. E. Belknap.....	697 West End ave.....	".....	3,000 00
Allen N. Spooner.....	123 E. 73d st.....	".....	2,400 00
Harvey Farrington.....	Croton-on-Hudson.....	".....	1,800 00
J. Garnett Bassinger.....	215 W. 29th st.....	".....	1,800 00
John M. Stewart.....	1137 Dean st., Brooklyn.....	".....	1,800 00
William S. White.....	42 Macon st., Brooklyn.....	".....	2,400 00
Charles W. Staniford.....	30 Berkeley pl., Brook- lyn.....	Surveyor.....	3,500 00
Edward Gottschall.....	183 E. 116th st.....	Searcher of Water Grants.....	2,500 00
Henry C. Freeman.....	1362 Bergen st., Brooklyn.....	Clerk to Engineer-in-Chief.....	2,400 00
Lucius C. Higgins.....	Port Richmond, Staten Island.....	Clerk.....	900 00
John J. Colleton.....	441 Lexington ave.....	".....	600 00
Arthur Cassin.....	139 E. 31st st.....	".....	1,000 00
Thomas B. Boone.....	83 Wilson st., Brooklyn.....	".....	900 00
Nicholas Deevy.....	127 W. 130th st.....	".....	1,000 00
Samuel Fetbrandt.....	329 Broome st.....	".....	1,000 00
Frank M. Ilale.....	49 W. 39th st.....	".....	900 00
John W. Ingalls.....	209 W. 104th st.....	".....	900 00
Thomas P. T. Nash.....	147 E. 33d st.....	".....	1,200 00
David H. Lane.....	Williamsbridge, Westches- ter County.....	".....	900 00

NAME.	RESIDENCE.	NATURE OF POSITION OR SERVICE.	SALARY OR WAGES.
Thomas J. MacLean.....	641 Humboldt st., Brooklyn.....	Clerk.....	\$1,000 00
Patrick O'Sullivan.....	303 Spring st.....	".....	900 00
Norman W. Palmer.....	Honeywell ave. and 180th street.....	".....	900 00
Berthold Sommer.....	422 E. 50th st.....	".....	1,800 00
Richard J. Wilson.....	223 E. 10th st.....	".....	1,000 00
Effingham V. Smith.....	57 W. 17th st.....	Timekeeper.....	1,500 00
John W. Crump.....	106 W. 41st st.....	".....	900 00
Patrick H. Bird.....	515 W. 24th st.....	Stenographer and Typewriter.....	1,200 00
William E. Bailey.....	309 W. 111th st.....	Stenographer and Typewriter.....	1,200 00
Thomas S. Callender, Jr..	207 E. 57th st.....	Stenographer and Typewriter.....	900 00
Thomas J. Macvey.....	83 Madison st., Brooklyn.	Stenographer and Typewriter.....	1,200 00
George W. Tuttle.....	332 W. 23d st.....	Computer.....	1,500 00
William Lansing, Jr.....	35 W. 19th st.....	".....	1,800 00
Frederick Lange.....	253 Marion st., Brooklyn.	Stationery Custodian and Messenger.....	900 00
Thomas F. Cregan.....	69 W. 132d st.....	Messenger.....	Per wk. 17 50
Max Drucker.....	Van Cortlandt, New York City.....	".....	900 00
James R. Misk.....	89 S. 4th st., Brooklyn...	".....	900 00
John Bergin.....	75 Broome st.....	".....	Per wk. 17 50
Thomas Ahearn.....	36 Gouverneur st.....	".....	" 20 00
Samuel Fitzpatrick.....	46 West End ave.....	Office Keeper and Messenger.....	" 15 00
Frederick F. Fuess.....	576 11th st., Brooklyn...	Draughtsman.....	1,200 00
William G. Johnson.....	599 McDonough st., Brooklyn.....	".....	1,200 00
Alexander M. Goge.....	926 Madison ave.....	".....	1,500 00
Robert M. Kid.....	Arrochar, S. I.....	".....	1,800 00
Romeo T. Betts.....	853 Jefferson ave. Brooklyn.....	".....	1,800 00
John A. Duntze.....	54 Morningside ave.....	".....	1,800 00
Herman Conrow.....	220 E. 12th st.....	Topographical Draughtsman.....	900 00
William C. Crosby.....	Pelham Bay Park, Baychester.....	Topographical Draughtsman.....	1,200 00
Charles E. Trout.....	166 Cumberland st., Brooklyn.....	Topographical Draughtsman.....	1,800 00
Robert A. Wimmer.....	1072 Park ave.....	Topographical Draughtsman.....	1,800 00
Joel J. Pemoff.....	1670 Lexington ave.....	Topographical Draughtsman.....	1,500 00
Francis W. Belknap.....	12 W. 107th st.....	Topographical Draughtsman.....	1,200 00
Benjamin S. Wever.....	Clifton, S. I.....	Topographical Draughtsman.....	1,800 00
John P. Nordstrom.....	263 W. 114th st.....	Mechanical Engineering Draughtsman.....	1,400 00
William F. Brendlin.....	116 W. 109th st.....	Mechanical Draughtsman.....	1,200 00
Hubert L. Rogers.....	145 Stuyvesant avenue, Brooklyn.....	Assistant Draughtsman...	780 00
Hiram C. Calkins.....	2762 Briggs ave.....	Hydrographer.....	1,500 00
Patrick F. Crowley.....	691 Franklin ave., Brooklyn.....	".....	1,200 00

NAME.	RESIDENCE.	NATURE OF POSITION OR SERVICE.	SALARY OR WAGES.
John T. L. Doughty.....	Kingsbridge, New York City.....	Hydrographer.....	\$1,500 00
William H. Cherry.....	59 Gouverneur st.....	Transitman.....	1,500 00
William J. Crowley.....	341 Brook avenue.....	".....	1,500 00
John T. Hilton.....	247 W. 25th st.....	".....	1,200 00
J. Frank Johnson.....	503 Decatur st., Brooklyn.	".....	1,500 00
William McDonald.....	Stapleton, S. I.....	".....	1,500 00
James C. Daly.....	295 Avenue A.....	Superintendent of Section.	2,000 00
John J. Herrick.....	105 W. 109th st.....	Superintendent of Machinery.....	2,000 00
Edward E. McCarney.....	1986 Third ave.....	Superintendent of Repairs.	Per hour, 50
Robert M. Sterrett.....	Williamsbridge, Westchester.....	Foreman of W. 57th St. Yard.....	1,500 00
Edward T. DuBois.....	1585 Washington ave.....	Foreman of E. 24th St. Yard.....	Per hour, 60
Patrick White.....	304 E. 37th st.....	Foreman of Piling and Woodwork.....	" 50
Robert T. Cass.....	712 E. 144th st.....	Foreman of Dock Builders	" 50
Thomas Clark.....	63 W. 99th st.....	".....	" 50
Thomas F. Coar.....	517 W. 49th st.....	".....	" 50
Frank Coughlin.....	560 W. 58th st.....	".....	" 50
Daniel Darby.....	463 W. 49th st.....	".....	" 50
Daniel Darby, Jr.....	722 Tenth ave.....	".....	" 50
Joseph De Temple, Jr.....	266 Avenue B.....	".....	" 50
Peter J. De Temple.....	217 E. 4th st.....	".....	" 50
Owen J. Hart.....	690 Third ave.....	".....	" 50
Nicholas Kaufman.....	108 Stockton st., Brooklyn	".....	" 50
Patrick Geoghegan.....	632 E. 13th st.....	".....	" 50
Herman Landwehr.....	342 E. 92d st.....	".....	" 50
Daniel McLellan.....	503 W. 59th st.....	".....	" 50
Henry McShane.....	117 E. 27th st.....	".....	" 50
James McEntee.....	150 W. 24th st.....	".....	" 50
William P. Munson.....	308 E. 126th st.....	".....	" 50
Patrick H. Murray.....	470 W. 23d st.....	".....	" 50
Morris O'Connell.....	161 E. 34th st.....	".....	" 50
Frederick W. Roth.....	245 W. 64th st.....	".....	" 50
James J. Sullivan.....	233 N. 7th st., Brooklyn	".....	" 50
John Wilson.....	511 W. 59th st.....	".....	" 50
James Bagley.....	209 W. 20th st.....	Foreman Laborer.....	" 45
Max Boehm.....	276 E. 10th st.....	".....	" 43
Thomas F. Crawford.....	339 E. 18th st.....	".....	" 43
Matthew Foley.....	326 E. 122d st.....	".....	" 43
Edwin A. Gregory, Sr.....	388 Manhattan ave.....	".....	" 43
Gordon Hay.....	150 Columbus ave.....	".....	" 43
Eugene S. Kass.....	2498 Eighth ave.....	".....	" 43
Patrick McCann.....	140 W. 31st st.....	".....	" 43
Thomas McGivney.....	433 E. 16th st.....	".....	" 43
John McSorley.....	414 Tenth ave.....	".....	" 43
John S. Markham.....	174 Hudson st.....	".....	" 50
John Whalen.....	1720 Third ave.....	".....	" 43
William J. Graham.....	250 W. 62d st.....	".....	" 43
Iver Peterson.....	132 Fifty-seventh st., Brooklyn	Foreman Scowman.....	Per wk., 20 00
Hugh Daly.....	604 E. 14th st.....	Foreman Ship Carpenter.....	Per hour, 50
James H. King.....	15 Tompkins st.....	Foreman.....	" 50
Daniel Keogh.....	118 W. 135th st.....	Assistant Foreman.....	" 25
Eli F. Macgowan.....	70 Hewes st., Brooklyn..	Inspector of Docks and Piers.....	1,200 00
George W. Carpenter.....	Astoria, L. I.....	Inspector of Dredging....	1,200 00

NAME.	RESIDENCE.	NATURE OF POSITION OR SERVICE.	SALARY OR WAGES.
George A. Dearborn.....	885 St. Nicholas ave.....	Inspector of Dredging....	\$1,200 00
Thomas H. Spooner.....	1843 Lexington ave.....	".....	1,200 00
Mortimer W. Casper.....	169 S. 8th st., Brooklyn..	Inspector of Pier Building	Per hour, 60
George F. Ryan.....	298 Seventh st.....	".....	60
William White.....	68 Macdougall st.....	".....	60
John H. Rogers.....	115 S. 9th st., Brooklyn..	".....	60
Peter Taylor.....	73 W. 88th st.....	Lumber Inspector.....	2,000 00
Thomas Stuyvesant.....	154 St Ann's ave.....	Captain of 100-ton Derrick	Per wk., 30 00
William Love.....	553 E. Houston st.....	Captain of Pile Driver....	Per hour, 45
William J. Brennan.....	210 Union st., Brooklyn..	Engineman.....	44
William P. Baker.....	736 Eighth ave.....	".....	44
Thomas F. Burns.....	315 E. 21st st.....	".....	44
John Conavan.....	392 E. 10th st.....	".....	44
Dennis F. Eagan.....	71 W. 101st st.....	".....	44
William F. Hall.....	285 W. 147th st.....	".....	44
James Harris.....	168 E. 102d st.....	".....	44
John R. Grant, Jr.....	442 W. 45th st.....	".....	44
Tronson Kerr.....	1486 Fifth ave., Brooklyn.	".....	44
George F. Lange.....	253 Marion st., Brooklyn.	".....	44
Franklin Macklin.....	468 W. 58th st.....	".....	44
Isaac B. Maslen.....	108 W. 116th st.....	".....	44
Alfred J. Mayer.....	69 E. 105th st.....	".....	44
William H. Rose.....	285 W. 141st st.....	".....	44
Zephemiah C. Smith.....	110 W. 124th st.....	".....	44
George A. Shevlin.....	313 E. 37th st.....	".....	44
Robert Kyles.....	426 Amsterdam ave.....	".....	44
James J. Barthel.....	560 W. 58th st.....	Engineman, Pile Driving..	44
Michael F. Fleming.....	369 W. 56th st.....	".....	44
William P. Fortune.....	143 W. 4th st.....	".....	44
Frank Gallagher.....	237 E. 106th st.....	".....	44
Thomas J. Joyce.....	318 W. 25th st.....	".....	44
James Gartland.....	48 Marcy ave., Brooklyn.	".....	44
Patrick Kelly.....	2415 Eighth ave.....	".....	44
William J. Kessler.....	48 Sixth ave.....	".....	44
Francis McMorrow.....	411 W. 30th st.....	".....	44
Francis A. Moore.....	25 Stockton st., Brooklyn.	".....	44
Thomas F. Mullarney.....	806 Columbus ave.....	".....	44
Thomas Pritchard.....	239 Ninth ave.....	".....	44
James D. Reid.....	2161 Eighth ave.....	".....	44
John Reid.....	210 E. 34th st.....	".....	44
Frederick Yird.....	687 Ninth ave.....	".....	44
John C. Wood.....	161 W. 66th st.....	Engineer.....	Month, 125 00
Norman B. Gardner.....	Garden City, L. I.....	Engineer, Mechanical....	2,100 00
Theodore F. Alling.....	608 E. 14th st.....	Blacksmith.....	Per hour, 50
Adam Albrecht.....	79 Mangin st.....	".....	50
Henry Heuer.....	2111 Third ave.....	".....	43
Charles McLean.....	207 W. 60th st.....	".....	50
John J. O'Rourke.....	270 E. 10th st.....	".....	43
John Ronan.....	560 W. 58th st.....	".....	43
George Schwenck.....	Stapleton, S. I.....	".....	43
James Garvin.....	543 E. 16th st.....	Blacksmith Helper.....	30
Michael Donovan.....	73 Montgomery st.....	".....	30
George A. Hamber.....	190 First ave.....	".....	30
William Pickett.....	271 First ave.....	".....	30
James McNamara.....	446 W. 24th st.....	".....	30
Charles Smith.....	280 E. 7th st.....	".....	30
John Carey.....	81 Ninth ave.....	Boatman.....	Per wk. 15 00
Timothy Carroll.....	1495 Lexington ave.....	".....	15 00
James Clark.....	53 Goerck st.....	".....	15 00

NAME.	RESIDENCE.	NATURE OF POSITION OR SERVICE.	SALARY OR WAGES.
William A. Danes.....	114 E. 123d st.....	Boatman	Per wk. \$15 00
James Golden.....	310 E. 39th st.....	"	" 15 00
John G. Kennedy.....	2137 Third ave.....	"	" 15 00
Thomas King.....	329 E. 48th st.....	"	" 15 00
John J. McManus.....	127 E. 116th st.....	"	" 15 00
John Moran.....	16 Jackson st.....	"	" 15 00
James J. Nedley.....	329 E. 22d st.....	"	" 15 00
William Patten.....	815 Fifth st.,	"	" 15 00
Andrew Ridley.....	380 Front st.....	"	" 15 00
Daniel Sullivan.....	59 Marion st.....	"	" 15 00
Daniel J. Donohoe.....	212 E. 70th st.....	Boatman and Sounder.....	" 15 00
Charles W. Egan.....	768 Ninth ave.....	"	" 15 00
Joseph Maher.....	340 E. 56th st.....	"	" 15 00
William Mulholland.....	770 Third ave.....	"	" 15 00
George Murphy.....	322 W. 42d st.....	"	" 15 00
Peter O'Brien.....	347 E. 20th st.....	"	" 15 00
Philip Stark.....	31 W. 132d st.....	"	" 15 00
Louis Wenzel.....	517 W. 47th st.....	"	" 15 00
John Winters.....	446 W. 47th st.....	"	" 15 00
Richard Cullen.....	511 E. 83d st.....	Boatbuilder	Per hour, 43
Samuel W. Tompkins.....	70 West 128th st.....	"	" 43
James C. Darby.....	53 Cannon st.....	Chainman	Per wk. 20 50
Stephen A. D. Denton.....	696 Washington st.....	"	" 21 00
James W. Dikeman, Jr.....	117 E. 114th st.....	"	" 18 00
Henry A. Howland.....	298 W. 138th st.....	"	" 21 00
Isaac J. McKinley.....	77 E. 119th st.....	"	" 21 00
Frank Moss.....	273 Stanton st.....	"	" 21 00
Francis T. O'Keefe.....	621 Eighth ave.....	"	" 15 00
Charles W. Thompson.....	819 Fifth st.....	"	" 21 00
Nicholas H. Voorhis.....	51 Prospect pl.....	"	" 15 00
John T. Walsh.....	835 Greenwich st.....	"	" 21 00
Henry J. Dean.....	Mahopac, N. Y.....	Chainman and Rodman.....	" 15 00
David E. Baxter.....	3 W. 60th st.....	"	" 15 00
Charles H. Hall.....	325 Decatur st., Brooklyn.....	"	" 15 00
Joseph F. Hefelee.....	3361 Third ave.....	"	" 15 00
John V. Sheridan.....	Webster ave., Bedford P'k.....	"	" 18 00
John J. Boyle.....	112 E. 83d st.....	Carpenter.....	1,200 00
Charles Eagle.....	621 W. 51st st.....	"	Per hour, 44
John Schmalacher.....	756 E. 165th st.....	"	" 44
John H. Ames.....	543 W. 59th st.....	Deckhand	Per mo. 50 00
Samuel Hearn.....	802 Eleventh ave.....	"	" 50 00
James Gilligan.....	253 Avenue B.....	"	" 50 00
Peter Gilligan.....	173 E. 117th st.....	Diver	Per hour, 1 25
Thomas Gilligan.....	204 E. 110th st.....	"	" 1 25
Frank Paul.....	550 E. 143d st.....	"	" 1 25
Robert S. Russell.....	1731 Avenue A.....	"	" 1 25
David Tullock.....	223 Madison st., Brooklyn.....	"	" 1 25
Thomas E. Walsh.....	57 First ave.....	"	" 1 25
John T. Bartlett.....	81 Sullivan st.....	Diver's Tender.....	" 43
Patrick Griffin.....	508 W. 24th st.....	"	" 43
John R. Leary.....	445 Canal st.....	"	" 43
Joseph Trainor.....	253 E. 24th st.....	"	" 43
Paul Alf.....	68 First ave.....	Fireman.....	" 43
James Vandegrift.....	73 Gansevoort st.....	"	" 43
Henry Head.....	477 W. 57th st.....	"	" 43
Jacob Bauer.....	415 W. 46th st.....	Janitor	1,200 00
John A. Benham.....	Brooklyn ave., nr. Avenue I, Brooklyn.....	Leveler.....	1,200 00
Thomas J. Cronin.....	341 E. 55th st.....	"	1,200 00

NAME.	RESIDENCE.	NATURE OF POSITION OR SERVICE.	SALARY OR WAGES.
Thomas S. Griffin.....	45 Lefferts pl., Brooklyn.	Leveler.....	\$1,200 00
William H. Reilly.....	409 E. 22d st.	".....	1,200 00
John O. Van Brackle.....	2405 Seventh ave.	".....	1,200 00
James Allen.....	Suburban st., Bedford P'k	Machinist.....	Per hour, 43
John Dwyer.....	431 W. 24th st.	".....	" 43
Michael Dowd.....	429 E. 70th st.	Mason.....	" 50
Stephen Mullins.....	244 Columbus ave.	Mason's Helper.....	" 37½
Daniel J. Kiely.....	62 E. 109th st.	Mechanic's Helper.....	" 30
William Keisler.....	1004 Avenue A.	Oiler.....	Month, 60 00
William H. Cunliffe.....	79 Lafayette ave., B'klyn.	Painter.....	Per hour, 44
David Cagney.....	321 W. 13th st.	Paver.....	" 50
Patrick McElligott.....	349 E. 78th st.	".....	" 50
Robert Pritchard.....	644 E. 17th st.	".....	" 50
Joseph Fletcher.....	438 W. 58th st.	Pilot.....	Mon., 100 00
John Golden.....	319 E. 65th st.	".....	" 125 00
August Luerson.....	326 Lenox ave.	Roundsman.....	" 100 00
Louis T. Brennan.....	216 E. 70th st.	".....	" 75 00
Joseph Devlin.....	789 Second ave.	Rigger.....	Per wk. 15 00
Michael Murray.....	330 W. 49th st.	".....	" 15 00
Thomas Reardon.....	92 Roosevelt st.	".....	" 15 00
Edward Cunningham.....	2272 First ave.	".....	" 15 00
Margaret Emerson.....	243 E. 38th st.	Recreation Pier Attendant.....	Month, 50 00
David Henry Crum.....	518 W. 47th st.	Saw-filer.....	Per hour, 43
Edward J. Flynn.....	145 W. 100th st.	".....	" 43
Edward F. Rush.....	507 W. 52d st.	".....	" 43
Henry Wenzel.....	136 Columbia street.	".....	" 43
Charles E. Buck.....	74 S. 8th st., Brooklyn.	Scowman.....	Per wk. 15 00
William F. Carroll.....	532 E. 86th st.	".....	" 15 00
Jeremiah Collins.....	330 E. 80th st.	".....	" 15 00
Ole Olsen.....	717 Tenth ave.	".....	" 15 00
Alexander Baird.....	502 Ninth ave.	Ship Carpenter.....	Per hour, 44
Patrick Barrett.....	179 Varick st.	".....	" 44
Charles A. Bond.....	423 E. 22d st.	".....	" 44
Daniel J. Bremner.....	242 Court st., Brooklyn.	".....	" 44
Stephen Collins.....	49 Jane st.	".....	" 44
James Colton.....	111 Broome st.	".....	" 44
Jeremiah J. Crowley.....	129t Columbus ave.	".....	" 44
Martin J. Delaney.....	930 Second ave.	".....	" 45
Bartholomew Donohue.....	525 W. 173d st.	".....	" 44
Matthew Drum.....	41 Montgomery st.	".....	" 44
William James Fitzpatrick.....	258 Henry st.	".....	" 44
James Harrigan.....	696 Tenth ave.	".....	" 44
Peter J. Kearney.....	224 E. 21st st.	".....	" 44
Peter Keely.....	327 E. 39th st.	".....	" 44
John F. Gately, Sr.....	449 W. 40th st.	".....	" 44
John R. Grant.....	451 W. 44th st.	".....	" 44
Joseph Kyle.....	299 W. 137th st.	".....	" 44
Peter Lang.....	163 W. 60th st.	".....	" 44
Albert Lyons.....	76 E. 115th st.	".....	" 44
Daniel McLaughlin.....	71 Avenue D.	".....	" 44
John Mulleady.....	218 W. 60th st.	".....	" 44
John Mullins.....	145 Amsterdam ave.	".....	" 44
Cornelius O'Connor.....	408 W. 58th st.	".....	" 44
Patrick Rigney.....	97 Morton st.	".....	" 44
Thomas Roberts.....	25 E. 131st st.	".....	" 44
James F. Ruggles.....	331 E. 88th st.	".....	" 44
Barnet Sanders.....	67 Pitt st.	".....	" 44
John M. Sponza.....	30 Morton st.	".....	" 44
John Voysey.....	108 S. 2d st., Brooklyn.	".....	" 44

NAME.	RESIDENCE.	NATURE OF POSITION OR SERVICE.	SALARY OR WAGES.
John Williams.....	150 W. 101st st.....	Ship Carpenter.....	Per hr. \$0 44
James Casey.....	848 E. 164th st.....	Ship Calker.....	" 43
John Collins.....	301 E. 41st st.....	".....	" 43
Patrick Fleming.....	605 Water st.....	".....	" 43
William H. Harrigan.....	Whitestone, L. I.....	".....	" 43
Justin McNamara.....	12 Columbus st.....	".....	" 43
William J. Ruggles.....	89 East End ave.....	".....	" 43
Lawrence J. Welsh.....	15 W. 98th st.....	".....	" 43
Patrick J. Barnett.....	10 Hamilton st.....	Sounder.....	Per wk. 15 00
John Birmingham.....	129 W. 56th st.....	".....	" 15 00
Thomas E. Brady.....	442 Manhattan ave.....	".....	" 15 00
Graziano Conte.....	60 Spring st.....	".....	" 15 00
James J. Gavin.....	344 First ave.....	".....	" 15 00
Walter S. Graham.....	781 Eighth ave.....	".....	" 15 00
Timothy Keenan.....	4 Goerck st.....	".....	" 15 00
Gottlieb Lange.....	649 E. 13th st.....	".....	" 15 00
Jacob Miller.....	378 Front st.....	".....	" 15 00
John Quinn.....	353 E. 23d st.....	".....	" 15 00
Peter Shaw.....	12 Broome st.....	".....	" 15 00
William J. F. Sullivan.....	664 E. 135th st.....	".....	" 15 00
Michael Clark.....	634 E. 13th st.....	Sounder (Marine).....	" 18 00
Charles Halter.....	1692 Park ave.....	".....	" 18 00
John J. McGrane.....	419 W. 56th st.....	".....	" 18 00
Andrew Smith.....	38 Jackson st.....	".....	" 18 00
Edward J. White.....	241 Madison st.....	".....	" 18 00
Patrick Byrnes.....	630 E. 140th st.....	Stonecutter.....	Per hour, 50
John Carroll.....	217 W. Houston st.....	".....	" 50
John Denahy.....	39 Montgomery st.....	".....	" 50
Joseph F. Dunn.....	332 E. 39th st.....	".....	" 50
Andrew Foster.....	309 E. 46th st.....	".....	" 50
James Handy.....	Ryder ave., Fordham.....	".....	" 50
Robert L. Humphries.....	258 W. 128th st.....	".....	" 50
Owen McCabe.....	302 E. 30th st.....	".....	" 50
James Meadoule.....	506 W. 29th st.....	".....	" 50
Matthew J. O'Neill.....	449 W. 54th st.....	".....	" 50
John A. Ryan.....	863 Park ave.....	".....	" 50
Edward D. Saunders.....	217 W. Houston st.....	".....	" 50
Montford Clements.....	452 W. 41st st.....	Watchman.....	" 16 $\frac{2}{3}$
John Gannon.....	682 Tenth ave.....	".....	Per wk. 17 30
Nicholas F. Kinnally.....	203 E. 112th st.....	".....	Per hour, 16 $\frac{2}{3}$
Henry A. Manheimer.....	86 E. 7th st.....	".....	" 16 $\frac{2}{3}$
Edmund K. Stephens.....	516 E. 121st st.....	".....	Per wk., 17 50
William Strowbridge.....	55 Horatio st.....	".....	Per hour, 16 $\frac{2}{3}$
John Murray.....	341 E. 22d st.....	".....	" 16 $\frac{2}{3}$

Dock Builders, 37½ cents per hour.

Peter Abbott.
 Thomas Ahearn.
 Charles Aikenhead.
 Edward Akerstrom.
 Frederick Akerstrom.
 Danforth L. Allen.
 Joseph Balk.
 James Barrett.
 Thomas F. Barry.
 Thomas Beirne.
 George Bloomer.
 John J. Brady.
 Patrick Brady.
 John Brauer.
 John Brawley.
 John Brennan.
 Thomas J. Brennan.
 William Brewer.
 Dunning Brown.
 Henry Brown.
 Thomas Burkitt.
 James Burns.
 John E. Burns.
 John J. Byrne.
 Peter J. Byrne.
 Joseph Byrnes.
 Thomas J. Cahill.
 Timothy Callaghan.
 Patrick Canty.
 Wilhelm Carlson.
 James Carren.
 Terence F. Carroll.
 John Casey.
 George Chisom.
 Stephen Chisom.
 Jonas O. Cholan.
 Maurice Christal.
 Charles Clark.
 Francis J. Clark.
 Owen Clark.
 Michael Connolly.
 Patrick J. Conway.
 Peter Corcoran.
 Dominick Costello.
 James Cullen.
 Terence Cumisky.
 Daniel Currie.
 George Dale.
 William Dally.
 John P. Dalton.
 John Daniels.
 George Darby.
 George Debus.
 James Degnan.
 William Deitz.
 Frederick Derouin.
 John DeTemple.
 Thomas F. Dillon.
 Peter Donaldson.
 Peter Donohue.
 Henry Doyle.

Joseph Doyle.
 James Dugan.
 Thomas Dunne.
 Patrick H. Dwyer.
 Thomas Earley.
 Louis Fabur.
 Alfred J. Fairbrother.
 Henry Falkey.
 Bernard J. Farley, Jr.
 John Thomas Fay.
 Frederick Fifer.
 Thomas H. Finn.
 Michael Finnerty.
 William Fitzgerald, No. 1.
 William Fitzgerald, No. 2.
 Edward Fitzpatrick.
 John Fitzpatrick.
 Patrick Fitzsimons.
 Edward Flynn.
 Thomas Flynn.
 William Forbes.
 Arthur W. Forsyth.
 John E. Fox.
 John F. Gately, Jr.
 Patrick Gately.
 William Gibbons.
 Duncan Gillies.
 Ronald Gillies.
 John T. Gilligan.
 Thomas J. Goode.
 George V. Graham.
 James E. Grinnon.
 George W. Guider.
 Joseph Hagen.
 Thomas B. Handline.
 Luke Hanley.
 John W. Hanna.
 James Harney.
 John Hatton.
 Michael Hayes.
 John J. Heany.
 Michael Hennessey.
 Matthew Hetzel.
 John O. Hill.
 Alfred Hines.
 Timothy Howard.
 John Hughes.
 Thomas J. Hussey.
 Oscar Jacobson.
 Nathaniel T. Jenks.
 Charles Johnson, No. 1.
 Charles Johnson, No. 2.
 John R. Johnson.
 Peter Johnson.
 William Jordan.
 Daniel Kane.
 Martin Kehoe.
 George Kelly.
 Patrick Kelly.
 Russell W. Kelly.
 Thomas J. Kelly.

Edward Kelty.
 Patrick Kennelly.
 Thomas Kenney.
 William Kerrigan.
 Patrick J. Kiernan.
 Thomas Kilcarr.
 Thomas J. Kilgallon.
 John J. Killeen.
 William J. King.
 Julius G. Klaveness.
 James Knox.
 Thomas Lafferty.
 John Lahey.
 Thomas Lahey.
 Andrew W. Laine.
 Richard Lancer.
 John Laughton.
 James M. Leonard.
 Henry Lerch.
 George Lewis.
 John Liebermann.
 John H. Link.
 William J. Long.
 John Love.
 Michael Lynch.
 Patrick Lynch.
 Thomas R. McCabe.
 James McCaffery.
 Thomas McCann.
 James McCarthy.
 Timothy McCarthy.
 Angus McDonald.
 Daniel McDonald.
 John McDonald.
 Matthew McDonald.
 James McEneaney.
 Terence McGirr.
 John J. McGuire.
 John McHugh.
 James McInenly.
 John McInenly.
 John E. McIntyre.
 Peter McIver.
 James A. McKinley.
 John McLain.
 William G. McLaughlin.
 Daniel McLeod.
 Neil McLeod.
 John B. McLoughlin.
 John J. McMahon.
 Joseph G. McManus.
 Michael J. McNeary.
 William McNicholl.
 Daniel McPeck.
 John McShane.
 William McVey.
 Andrew Mahon.
 James Mahon.
 Michael Mahoney.
 Thomas Malloy.
 Martin Manning.

Martin Mannix.
Christian Mast.
James F. Meade.
Otto Miller.
William Molloy.
Patrick Monahan.
James Mulgrew.
James Murphy No. 1.
James Murphy No. 2.
Patrick H. Murphy.
James Murray.
John Murray.
George Nelson.
Wilson L. Newbegin.
Alfred C. Newell.
Michael Nicholson.
William Noonan.
John Norbeck.
James Oakley.
Robert J. Oakley.
Daniel O'Brien.
John P. O'Brien.
Patrick J. O'Brien.
Thomas O'Meara.
William F. Owens.
Merwin J. Page.
William Perchback.
John P. Person.
Peter Petersen.
Francis Pilon.

Frederick A. Plaisted.
William Porter.
Allen Price.
Thomas Purdy.
Thomas Redmond.
John Reeves.
Patrick Regan.
George J. Reid.
John James Keilly.
Charles Reynolds.
John Rode.
John J. Rodgers.
Michael Rodgers.
Louis P. Rogers.
John D. Roler.
Dominick Ross.
Thomas P. Rutledge.
Cornelius Ryan.
Patrick Ryan.
William Ryan No. 1.
William Ryan No. 2.
James J. Ryder.
Peter Seirvin.
Peter Severinson.
John J. Shanahan.
Daniel Shanley.
John Edward Sharp.
Michael Sheehan.
Timothy F. Shine.

Nathan Sleeve.
Herman Smith.
James Smith.
George Sparks.
Edward Spillane.
Harry M. Sponza.
Michael Stapleton.
Stephen H. Sullivan.
Thomas Sullivan.
Charles Swanson.
Matthew Tevlin.
Peter Thompson.
William Toheld.
Theodore Tolsen.
Oscar Tompkins.
James Torney.
Henry Track.
Michael Tracy.
John F. Trenly.
Martin Walsh.
William H. Ward.
James Waters.
William Weldon.
William D. Wetherell.
Joseph M. Whalen.
Patrick Whalen.
Andrew Wilson.
William Wilson.
John T. Woods.

Laborers, 25 cents per hour (except as otherwise stated).

John Ahern No. 1.
John Ahern No. 2.
James A. Alart.
John Allen.
James Anderson.
James J. Armstrong.
Phoenix B. Armstrong.
John Auer.
George A. Baderschneider.
John Barr.
William Barrett.
James S. Barry.
John Bartenberg.
John Bartunek.
Turner H. Bayles.
John A. Beck.
Michael Behan.
William C. Beneke.
Garrett Benson.
Charles A. Benton.
James Blake.
Richard Blome.
Edward M. Boden.
Patrick Bohlen.
John Boland.
Lawrence F. Boves.
John Bowen.

Patrick Brady.
William J. Brausfield.
John Brassel.
John Braunbach.
John Bray.
James Breen.
John Brennan.
John H. Brennan.
Bernard Brady.
Thomas Brennan.
Joseph Brenner.
Joseph Brookhouse.
John J. Brophy.
James A. Brown.
William S. Brown.
Peter Burke.
William J. Burke.
William Burkitt.
Thomas Burns.
James Burns.
John Butch.
George S. Butcher.
Edward Butler.
John Butler.
Robert A. Butler.
Thomas Butler.
Thomas Byrnes.

Patrick Cain.
Joseph Campbell.
William J. Campbell.
Denis Caniff, \$18 per week.
William Carey.
Michael Carlos.
Patrick Carroll.
Michael Cash.
John H. Cassens.
Thomas Cavanaugh.
Andrew Chapman.
Giovanni Chiesa.
Steven T. Churchill.
Martin Clancy.
Peter Clarkin.
John Cody.
Phillip Coffee.
Dennis Coffey.
John Coffey.
Richard Cohen.
Jeremiah F. Cole.
Alexander Collins.
James B. Collins.
Michael Collins.
Michael Concannon.
Thomas Connolly.
John Connors.

John W. Connors.
 Matthew Cooney.
 Thomas Cooney.
 Martin Corcoran.
 Thomas E. Corker.
 John Corrigan.
 James F. Cosgrove.
 John Costello.
 John F. Coughlin.
 Matthew Coughlin.
 Frank Cox.
 Michael Coyle.
 William Crawley.
 Jeremiah P. Cray.
 Thomas Crow.
 Jeremiah Crowley.
 John Cuff.
 Peter Cullen.
 John G. Cully.
 Bernard Cummings.
 James Cummings.
 Patrick Cunningham, \$17.30 per week.
 Michael Cunningham.
 Thomas F. Curley.
 Daniel Curry.
 John H. Cusick.
 Charles J. Daly.
 James Daly, No. 1.
 James Daly, No. 2.
 Patrick T. O'Brien.
 Patrick Davin.
 Frank Deady.
 Edward D. Dean.
 John Degnan.
 Dennis J. Delaney.
 Thomas Dermody.
 John Desmond.
 John Deutsch.
 William Devine.
 Garrett Dillon.
 Ferdinando Di Maio.
 William P. Dinnin.
 William F. Dohaney.
 Robert Dolan.
 Philip Domedian.
 Thomas D. Donnelly.
 Dennis Donovan.
 James Donovan.
 Patrick Dooley.
 John Dooling.
 James Doonan.
 James Doris.
 Robert S. Dorney.
 Daniel Dougherty.
 George Dougherty, No. 1.
 George Dougherty, No. 2.
 John Dowdell.
 Joseph Dougherty.
 Hugh Doyle.
 James Doyle.
 Patrick Doyle.

Francis Duffy.
 Louis Dunkhorst.
 Nathaniel B. Ellis, \$18 per week.
 James P. Fallon.
 Joseph Fallon, \$17.50 per week.
 James Farley.
 Edward J. Farrell.
 Peter N. Farrell.
 Conrad Ferber.
 John Fink.
 Thomas F. Finlay.
 David Finn.
 George Finnerty.
 Julius Fischer.
 John Fitzgerald, \$17.50 per week.
 Joseph C. Fitzgerald.
 Michael Fitzgibbons.
 Jeremiah Fitzpatrick.
 John J. Fitzpatrick.
 Michael Fitzpatrick.
 Michael Fitzsimons.
 Edward D. Flaherty.
 Michael Flanagan.
 Edward Fleming.
 Daniel A. Flynn.
 Joseph A. Flynn.
 John J. Flynn.
 Owen J. Foley.
 Benjamin E. Fox.
 Jacob Fuchs.
 Patrick J. Fullam.
 William Fuller.
 Joseph Furlong.
 Henry Gack.
 Andrew Gallagher.
 James Galvin.
 James Gannon.
 Patrick Geraghty.
 Charles Gerkin.
 John Gillen, No. 1, 33 cents per hour.
 John Gillen, No. 2.
 George E. Gillison.
 Charles Glavin.
 Adolph Glickman, 33 cents per hour.
 John Glynn.
 William Golden.
 George Goldie.
 August Goldner.
 William Goldthwaite, 33 cents per hour.
 Michael Gorman.
 Patrick Gorman.
 Louis N. Gravin.
 Edward Greenen, \$21 per week.
 Frank J. Gregory.
 James Griffin, No. 2.
 James Griffin, No. 1.
 Martin Griffin.

Patrick Griffin.
 Nicholas Guglielmo.
 Michael S. Guilfoyle.
 John Green.
 Morris Green.
 William Guivan.
 John Gurrin.
 Daniel Haggarty.
 James Haggarty.
 Lawrence J. Halloran.
 Martin Halloran.
 Charles Halloway.
 William Hamilton.
 William Hampel.
 John Hanevy.
 John Hanifin.
 Martin M. Hanley.
 Bernard Hanratty.
 Adolph Harbert.
 Patrick Harrington.
 John Hart.
 James Hartney.
 John Hauck.
 Christian Hauff.
 John T. Havanagh, \$75 per month.
 William Haynes.
 Michael Heagen.
 Patrick Heagney.
 James J. Healey.
 William M. Healey.
 Lawrence Healy.
 William Heffernan.
 Myer E. Heller.
 William Hennessey, No. 1.
 William Hennessey, No. 2.
 Christian Herrlich.
 John Herwig.
 George T. Higgins.
 James M. Higgins.
 Peter Hines.
 Thomas Hoey.
 Ferdinand Hoffman.
 Edward Hogan.
 Peter E. Hogan.
 Thomas F. Hogan.
 John F. Horan.
 William Horan.
 George Horstman.
 Felix Hughes.
 Thomas J. Hughes.
 Freeman F. Huntington.
 John E. Hyatt.
 Thomas F. Hynes.
 John F. Inness.
 Thomas Irvine.
 John Jackson.
 Thomas Jackson.
 Thomas Johnson.
 Edward J. Johnson.
 Anton Johoda.
 John Jones.

James J. Jordan.
 William Jordan.
 Christian Kaefér.
 John Kane.
 Lawrence Kane.
 William Kavanagh.
 Thomas Kearney.
 James E. Keating.
 Joseph Keating.
 Nicholas Keating.
 Timothy Keating.
 John J. Keefe, \$18 per week.
 Dennis Kehoe.
 William Kehoe.
 Nicholas Kelch.
 William Kelleghan.
 Bernard F. Kelly.
 Charles H. Kelly.
 Hugh Kelly, 33 cents per hour.
 Michael J. Kelly.
 Patrick Kelly.
 Edward A. Kennedy.
 Frank Kennedy.
 James Kennedy, No. 1.
 John Kennedy.
 William J. Kennedy.
 Owen Kettle.
 John Kiernan.
 John J. Kiernan.
 Thomas King.
 Edward Kinney.
 Louis M. Kohnstaner.
 Morris Krauss.
 Frank Kreidler.
 Laurenz Kurz.
 Hugh Lackey.
 James J. Lamey.
 Joseph A. Lang.
 John Lannon.
 Thomas J. Larkin.
 Emil Lautenberg.
 Arthur Lavery.
 James Lawless.
 John Lawlor.
 William H. Lawson.
 John J. Leamy, \$75 per month.
 John Leavy.
 Peter F. Lennon.
 James Long.
 Joseph Loughlin, 33 cents per hour.
 James Lowery.
 Daniel Lynch.
 Edward J. Lynch.
 Owen Lynch, No. 1.
 Owen Lynch, No. 2.
 Thomas F. Lynch.
 Peter McAvinche.
 John McBride.
 James McCabe.
 John McCabe.
 James McCann.

Richard T. McCann.
 William McCann.
 Charles McCarthy.
 John McCarthy.
 John W. McCarthy.
 Timothy F. McCarthy.
 Charles McCauley.
 Joseph J. McCool.
 Arthur McCormack.
 Terence McCormack.
 William McCormack.
 Robert E. McCullough.
 Thomas McCullough.
 George McDermott.
 Edward McDonald.
 Patrick McDonough.
 Thomas P. McDonough.
 Cornelius McElligott.
 Thomas McElroy, \$15 per week.
 John F. McGarry.
 John McGinley.
 Michael McGovern.
 Frank McGowan.
 Patrick McGrath.
 William McGuinness.
 Hugh McGuire.
 Robert F. McIntrye.
 William McKay.
 James F. McKenzie.
 Thomas McLarnon.
 John McLaughlin.
 Thomas McLoughlin.
 Martin McLean.
 James McMahan.
 Owen McManus.
 Robert McNamee.
 Patrick McNulty.
 Robert McVey.
 James Mackin.
 Robert F. Mackin.
 Patrick Madden.
 Thomas Madden.
 Thomas F. Madden.
 Daniel Maguire.
 John T. Maguire.
 William B. Maher.
 Edward Mahon.
 Michael Mahon.
 Cornelius Mahoney.
 Daniel Mahoney.
 Michael Mahoney.
 Michael Mahoney.
 Dominick Malfi.
 Frank J. Malone.
 John Malone.
 John Manning.
 John J. Matthews.
 Thomas F. Mead.
 Joseph Meagher.
 Christopher Meehan.
 Frederick C. Milligan.
 John P. Mines.

Arthur J. Minnaugh.
 James Mitchell.
 Patrick Molloy.
 John Moloney.
 James Monaghan.
 John P. Monaghan.
 Peter J. Monaghan.
 Michael Monahan.
 John J. Mooney.
 Thomas J. Mooney.
 Michael Mahoney.
 Patrick Mahoney.
 Peter Mahony.
 Charles A. Moore.
 John Moroney.
 Louis Morr, 33 cents per hour.
 Daniel Morrison.
 Wright Morton, 33 cents per hour.
 Thomas C. Mulcare.
 John Mullen.
 Joseph F. Mullen.
 Michael Mulqueen.
 Daniel Murphy.
 John Murphy.
 Patrick Murphy.
 Robert E. Murphy, 33 cents per hour.
 John A. Murray.
 Richard Murray.
 John F. Myers.
 Edward Naughton.
 John Naylor.
 Jeremiah Noonan.
 John Noonan.
 Michael Noonan.
 James Nugent.
 Patrick Nulty.
 Edward O'Brien.
 James E. O'Brien, 33 cents per hour.
 John O'Brien, No. 1.
 John O'Brien, No. 2.
 Raphael O'Brien.
 James O'Connell.
 Patrick J. O'Connell.
 Bartholomew O'Connor.
 John J. O'Connor.
 Patrick O'Dwyer.
 Michael O'Flynn.
 James O'Grady.
 Andrew O'Hare.
 Michael O'Keefe.
 Daniel O'Neil.
 Jeremiah O'Neil.
 John O'Neil.
 John J. O'Neill, 33 cents per hour.
 Michael F. O'Neill.
 James O'Rourke.
 Thomas F. O'Rourke, \$17.30 per week.

James Orr.	Robert J. Roberts, Jr., 33 cents per hour.	Harry Stadelberger, \$18 per week.
Joseph A. Osborne.	Alexander Roche.	Patrick Stafford.
Thomas F. O'Toole.	John Roche.	James Steele.
Philip Pakenham.	Arnold Roger.	Alex Stochel.
Maurice F. Parker.	John E. Ronan.	Daniel A. Studley.
William Parker.	Joseph Rubsam.	Daniel Sullivan.
Richard Perry.	Michael Reidy.	Dennis Sullivan.
Robert H. Perry.	George Russell.	John Sullivan.
Charles Pertain.	Frances Russo.	Stephen J. Sullivan.
Michael Petit.	Frank D. Ryan.	Timothy Sullivan.
George Pfanner.	Joseph Ryan.	James Sutton.
William J. Poland.	Michael J. Ryan.	Frank Swobada.
Charles F. Pope.	William Ryan.	Frederick Terhune.
Francesco Priore.	John Ryder.	Henry Thomas.
James J. Pryor.	Julius Sarowny.	Solomon Thomas.
James Purcell.	William Schaefer.	James L. Thompson.
Patrick Quigley.	Fred. Schneidrum.	Thomas J. Tierney.
Michael Quinn.	Ellis Schoonmaker.	Christopher Toole.
Peter Quinn.	Patrick Scullen.	Chester P. Traver.
William Quinn.	Simon Seligmann.	Daniel Troy.
Bernard Rafferty, 33 cents per hour.	Morris Senft.	George Tuohy.
George Rafferty.	Benjamin Senftman.	Herbert Tyler.
James Rafferty.	Adolph Severyn.	Joseph D. Vail.
James Raftis.	George W. Shaffer.	August Verity.
John M. Reardon.	Daniel F. Shanahan.	John Vielmann, 33 cents per hour.
Michael Redican.	Michael Shea.	George Vigor.
Daniel J. Reed.	Dennis Sheehan.	Emanuel Wallach.
John Regan, No. 1.	Michael Sheehan.	James J. Walsh.
John Regan, No. 2.	Timothy Sheehan.	Pierce Walsh, 33 cents per hour.
Samuel Reich.	David Sheeran.	Bernard Ward.
Michael Reidy.	William Sheerin.	David Warren.
George C. Reilly.	Edmund Sheridan, \$17.50 per week.	Thomas F. Sullivan.
James Reilly.	Patrick T. Sheridan.	Michael Welch.
Michael F. Reilly.	Frank J. Simpson.	Patrick Whelan.
John F. Rein.	Ferdinand Sismilich.	Richard Whelan.
Jacob Reisert.	Nicholas W. Skelly.	William Whelan.
Henry Rengstorf.	James O'Brien.	James A. White.
James Reynolds.	Bernard Smith.	Nicholas J. White.
John Reynolds.	Edward Smith.	George W. Whiteus.
Lawrence Reynolds.	Henry Smith.	Willis M. Wilbur.
Patrick Reynolds.	James Smith, No. 1.	Leonard E. Williams.
Thomas Reynolds, \$75 per month.	John Smith, No. 1.	John Witt.
James A. Riley.	John Smith, No. 2.	Frederick Woefel.
James Riordan.	John Smith, No. 3.	Charles H. Wolf.
John Ritchie.	David Sonnesheim.	Joseph Wonneberg.
Daniel F. Roach.	Hugh Sorby.	Thomas P. Wood.
John Roache.	Joseph Speier.	Patrick Woods.

Total number of Laborers	578
Total number of Dock Builders.	273
Total number of employees, exclusive of Laborers and Dock Builders.	400
Total	1,251

N. B.—Persons employed by the hour are paid only for the time they are actually employed.

REVENUES AND EXPENDITURES.

The total gross revenue of the Department for the year ending December 31, 1899, amounted to \$2,828,359.61, distributed as follows: From leased wharves and wharfage, \$2,366,409.34; from ferry rents and franchises, \$372,451.03, and from all other sources, \$89,499.24.

The expenditures from the Dock Fund during the same period were \$2,603,910.79. Of this amount \$1,734,051.79 was expended for the work of construction; \$310,525.27 was paid for wharf property; the sum of \$472,374.78 was expended for repairs and maintenance, while the general expenses of the Department amounted to \$86,958.95.

The expenditures during the year from the Wallabout Fund for the improvement of the Wallabout Basin, in the Borough of Brooklyn, amounted to \$94,729.09.

LEASES AND PERMITS GRANTED BY THE BOARD.

A description of the leases and permits for wharf property and land under water is contained in the rent-roll accompanying this report, together with the name of the lessee or occupant, a description of the property, the term of tenancy and the amount of rental.

Description of Contracts made by the Board during the Year ending December 31, 1899.

No.	DESCRIPTION.	NAME OF CONTRACTOR.	PRICE.	DATE OF AWARD.	DATE OF CONTRACT.	DATE OF EXPIRATION.	AMOUNT PAID TO DEC. 31, 1899.
631	Recreation Building foot of North Second street, Brooklyn	W. G. Triest.....	\$9,916 00	June 8 1899	June 12, 1899	Mar. 15, 1900	\$4,185 44
643	Furnishing granite.....	Brown & Roberts....	Class I.: 84 cents; Class II.: 94 cents.....	May 26, 1899	June 12, 1899	Aug. 31, 1899	.....
647	Dredging on North and East rivers.....	International Contracting Co.....	12½ cents per cubic yard.	Jan. 6, 1899	Jan. 10, 1899	Sept. 1, 1899	12,310 39
648	Building two piers, etc., in Wallabout basin, Brooklyn...	Gildersleeve & Rolfe..	\$91,633 00	Mar. 10, 1899	Mar. 28, 1899	Jan. 10, 1900	61,987 50
649	Dredging on the North river, between Battery and West Thirty-fourth street.....	P. Sanford Ross.....	18 cents per cubic yard..	Mar. 10, 1899	Mar. 14, 1899	Nov. 14, 1899	35,972 46
650	Dredging near foot of Rutgers slip, E. R.....	R. G. Packard.....	Class I.: 18 cents; Class II.: \$1.	Mar. 13, 1899	Mar. 15, 1899	May 5, 1899	6,280 24
651	Building new steel propeller.....	Gas Engine and Power Co.....	\$59,500 00	Apr. 7, 1899	Apr. 12, 1899	Feb. 14, 1900	32,543 00
652	Dredging on the Rutgers section.....	Morris & Cummings } Dredging Co., }	Class I.: 18 cents; Class II.: \$1.....	Apr. 7, 1899	Apr. 14, 1899	.....	4,170 12
653	Furnishing anthracite coal.....	A. M. Wittenberg...	\$3.54 per ton.....	Mar. 24, 1899	Mar. 27, 1899	July 15, 1899	2,479 84
654	Building pier foot Rutgers street, E. R.....	Gildersleeve & Rolfe..	\$32,833 00	May 12, 1899	June 6, 1899	Nov. 29, 1900	34,833 00
655	Furnishing 10,000 barrels of cement.....	John Early & Co ...	\$1.945 per barrel.....	May 26, 1899	June 8, 1899	Mar. 1, 1900	6,801 71
656	Furnishing wrought iron screw bolts, dock spikes, washers and clats.....	J. Edward Ogden....	.0335 per pound.....	July 31, 1899	Aug. 2, 1899	Nov. 14, 1899	9,387 76
657	Dredging in the Wallabout canal.....	James R. Steers.....	20 cents per cubic yard...	July 17, 1899	July 29, 1899	Oct. 6, 1899	6,523 30
658	Furnishing yellow pine.....	Naughton & Co.....	\$19.95 per 1,000.....	May 12, 1899	May 23, 1899	Oct. 10, 1899	22,755 76
659	Furnishing manila rope.....	Travers Brothers & Co.....	.0885 per pound.....	July 17, 1899	July 24, 1899	Nov. 14, 1899	6,659 36
660	Building pier foot Thirty-ninth street, N. R.....	H. L. Spearin.....	\$51,055 00	July 24, 1899	July 25, 1899	Dec. 30, 1899	22,632 18

661	Building pier, etc., foot of Fordham road, H. R.....	H. L. Spearin.....	Class I.: \$250; Class II.: 22 cents per cubic yard; Class III.: \$12.430.....	Aug. 21, 1899	Aug. 24, 1899	Mar. 5, 1900	5,890 21
662	Dredging north of West Thirty-fourth street, N. R.....	Du Bois Brothers Dredging Co.....	11 1/2 cents per cubic yard.	Aug. 21, 1899	Aug. 24, 1899	Mar. 31, 1900	12,543 92
663	Building a new crib bulkhead, between East Eightieth and East Eighty-first streets, E. R.....	John Gillies Co.....	Class I.: \$7,800; Class II.: 20 cents per cubic yard; Class III.: \$1 per cubic yard.....	Aug. 7, 1899	Sept. 2, 1899	Jan. 27, 1900	1,239 42
664	Furnishing anthracite coal.....	A. M. Wittenberg....	\$3.38 per ton.....	Sept. 18, 1899	Sept. 20, 1899	June 1, 1900	1,599 92
665	Dredging on East and Harlem river.....	Atlantic Dredging Co.	20 cents per cubic yard...	July 31, 1899	Aug. 2, 1899	Apr. 1, 1900	2,150 82
666	Dredging on the North river, between Battery and West Thirty-fourth street.....	J. H. Fenner.....	.0795 per cubic yard.....	Sept. 18, 1899	Sept. 20, 1899	Dec. 31, 1899	*
667	Building new pier west of Rutgers slip, E. R.....	W. H. Jenks.....	\$34.423 00	Oct. 20, 1899	Oct. 23, 1899	Apr. 19, 1900	7,617 42
668	Furnishing yellow pine timber.....	William Simmons....	\$22.95 per 1,000.....	Oct. 27, 1899	Oct. 30, 1899	Jan. 26, 1900	.....

* Canceled, see Resolution of Board October 29, 1899.

STATEMENT
OF
REVENUES AND DISBURSEMENTS.

ACCOUNT
WITH
THE CITY OF NEW YORK,
AND
BALANCE SHEET FOR DECEMBER 31, 1899.

STATEMENT

OF THE REVENUES AND DISBURSEMENTS OF THE DEPARTMENT OF DOCKS AND FERRIES FOR
THE YEAR ENDING DECEMBER 31, 1899.

I.—REVENUE:

1. Amount of accrued rents uncollected December 31, 1898, as per report for the year ending that date.....	\$13,072 73
2. To lessees of ferry franchises and city wharf property used for ferry purposes.....	372,451 03
3. Rents accrued during the year 1899 from leased city wharf property, and for land under water covered by wharf improvements erected by permission of the Department.....	\$2,233,319 74
4. Wharfage collected within the year from unleased city wharf property...	133,089 60
	<hr/> 2,366,409 34
5. Miscellaneous receipts.....	89,499 24
6. Claims for unpaid rents placed in hands of Corporation Counsel prior to December 31, 1898, collected during the year 1899.....	3,350 00
	<hr/> <hr/> \$2,844,782 34

II.—DISTRIBUTION:

Cash—

Deposited during the year 1899 with the City Chamberlain:

1. To credit of the Sinking Fund for the Redemption of the City Debt.....	\$2,378,823 14
2. To credit of the Sinking Fund for the Payment of Interest on the City Debt.....	372,451 03
3. To credit of the Dock Fund.....	88,736 72
4. To credit of the General Fund.....	658 52
	<hr/> Total amount deposited with the Chamberlain..... \$2,840,689 41
Claims sent to the Corporation Counsel for collection.....	3,788 12
Sundry unpaid rents.....	304 81
	<hr/> <hr/> \$2,844,782 34

REVENUE SHOWN BY BOROUGH.

Manhattan.....	\$2,823,043 55
Bronx.....	1,921 96
Brooklyn.....	19,361 81
Queens.....	155 02
Richmond.....	300 00
	<hr/> Total..... \$2,844,782 34

DOCK BONDS.

Total amount of Dock Bonds and Corporate Stock of The City of New York issued by direction of the Commissioners of the Sinking Fund, for the uses and purposes of the Department, from the date of its organization in May, 1870, to December 31, 1899..... \$40,728,294 54

DOCK FUND.

I.—RECEIPTS :

1. Balance in hands of Comptroller December 31, 1898, for the uses and purposes of this Department, as per report for the year ending December 31, 1898.....	\$1,393,022 14
2. Amount of Corporate Stock issued by direction of the Commissioners of the Sinking Fund.....	3,000,000 00
3. Amount of premiums on Corporate Stock sold by the Comptroller.....	250,100 00
4. Amount received during the year and deposited with the Chamberlain for the uses and purposes of the Department, being reimbursements for the costs of repairs to wharf properties made for lessees, private owners and others, and for the use of the Department appliances and dumping grounds, furnishing maps, tracing, etc.....	88,756 72
	<hr/> \$4,731,878 86

II.—EXPENDITURES :

Amount of bills and claims audited in and during the year ending December 31, 1899, and transmitted to the Finance Department for payment, being for materials and supplies furnished and for services rendered to this Department, to wit :	
1. <i>For Construction—</i>	
For bills and claims audited as per Schedule B.....	\$994,033 79
As per Schedule C :	
Salaries of the Commissioners.....	16,000 00
Salaries of the Construction Force.....	145,330 81
Weekly pay-rolls of Captains, Engineers, Crews and Watchman on floating property, Dock Builders, Laborers, Blacksmiths, Carpenters and Masons, etc., on Construction Force.....	578,687 19
	<hr/> \$1,734,051 79
2. <i>For General Repairs—</i>	
For bills and claims audited as per Schedule D.....	\$367,392 86
As per Schedule E :	
Pay-rolls of Dock Builders, Watchmen, Carpenters, Inspectors and Engineers on General Repairs Force	104,981 92
	<hr/> 472,374 78
3. <i>For Annual Expense—</i>	
For bills and claims audited as per Schedule F.....	\$10,089 45
As per Schedule G :	
Salaries of officers and appointees.....	76,869 50
	<hr/> 86,958 95
As per Schedule H :	
4. <i>For Acquired Property—</i>	
For property acquired.....	310,525 27
	<hr/> \$2,603,910 79

III.—BALANCE :

Amount of proceeds of Corporate Stock in the hands of the Comptroller on December 31,
1899, for use of this Department..... \$2,127,968 07

Audited disbursements on Wallabout Fund Account during the year 1899, as per Schedule I.:

Bills and claims.....	\$93,037 54	
Weekly and monthly pay-rolls.....	1,691 55	
		\$94,729 09

NEW YORK, December 31, 1899.

Respectfully submitted to the Board,

JOHN M. PHELAN, Chief Clerk.

*The City of New York in Account with the Board of the Department of Docks and Ferries,
DR. for the Year ending December 31, 1899. CR.*

To deposits of money with the City Chamberlain.....	\$2,840,689 41	By balance, December 31, 1898, as per report for the year ending that date. \$11,005,721 48	
To bills and claims audited, for materials and supplies furnished and for services rendered, to wit:		By ferry rent.....	372,451 03
On Construction Account.....	1,734,051 79	By dock and slip rent.....	2,366,409 34
On General Repairs Account....	472,374 78	By Corporate Stock issued by direction of the Commissioners of the Sinking Fund.....	3,000,000 00
On Annual Expense Account....	86,958 95	By premium on Corporate Stock.....	250,100 00
On Construction Wallabout Basin	94,729 09	By Fund for the Improvement of Wallabout Basin, in the Borough of Brooklyn.....	187,741 59
Balance carried forward.....	12,131,875 38	By reimbursements of costs of repairs, etc., made for lessees, private owners and others and for use of Department plant.....	82,306 07
		By sale of maps.....	120 00
		By sale of old material.....	658 52
		By sale of filling-in privileges.....	6,330 65
		By fines and penalties.....	84 00
		By moneys credited to Dock Fund.....	88,756 72
	\$17,360,679 40		\$17,360,679 40

DR.

Balance Sheet, December 31, 1899.

CR.

Acquired property.....	\$9,399,990 72	The City of New York.....	\$12,131,875 38
Floating plant (as per Schedule J).....	282,875 00		
Dock Fund.....	2,127,968 07		
Contingent Fund.....	1,000 00		
Fund for the Improvement of Wallabout Basin, Borough of Brooklyn.....	93,012 50		
Judgments obtained (as per Schedule K).....	128,517 94		
Unpaid rents in hands of Corporation Counsel for collection (as per Schedule L).....	98,196 34		
Sundry unpaid rents.....	304 81		
	\$12,131,875 38		\$12,131,875 38

SCHEDULE A.

LEDGER BALANCES, DECEMBER 31, 1899.

DR.	LEDGER FOLIO.		CR.
\$9,399,990 72	1	Acquired Property.....	.....
86,958 95	3	Annual Expense.....	.....
1,734,051 79	5	Construction.....	.....
472,374 78	7	General Repairs.....	.....
2,039,211 35	9	Dock Fund.....	.....
.....	11	Dock and Slip Rent.....	\$2,366,409 34
.....	13	The City of New York.....	14,355,821 48
2,840,689 41	15	Patrick Keenan, City Chamberlain.....	.....
.....	19	Ferry Rents.....	372,451 03
1,000 00	24	Contingent Fund.....	.....
282,875 00	25	Floating Plant.....	.....
128,527 94	27	Judgments obtained.....	.....
98,196 34	29	Unpaid Rents in hands Corporation Counsel.....	.....
93,012 50	31	Fund for the Improvement of Wallabout Basin, Borough of Brooklyn.....	.....
6,987 50	32	Cons'ruction Wallabout Basin.....	.....
.....	33	Repairs, etc., for Lessees and Others.....	82,306 07
.....	35	Sale of Maps.....	120 00
.....	37	Filling-in Privileges.....	6,330 65
.....	39	Fines and Penalties.....	84 00
.....	43	Sale of Old Material.....	658 52
96 82	167	Fulton Market Fish Mongers' Association.....	.....
73 61	239	Knickerbocker Ice Company.....	.....
134 38	327	Neidlinger & Sons.....	.....
\$17,184,181 09			\$17,184,181 09

SCHEDULE B.

BILLS AND CLAIMS AUDITED ON CONSTRUCTION ACCOUNT.

<i>Advertising.</i>		
"Commercial Advertiser".....	\$44	00
"Das Morgan Journal".....	316	00
"Evening Sun".....	327	60
"Harlem Reporter".....	171	60
"Irish American".....	9	60
"Journal".....	524	00
"News".....	356	10
"Telegraph".....	500	00
"Weekly Union".....	88	40
		<hr/>
		\$2,337 30
<i>Building Piers, Bulkheads, etc.</i>		
Gildersleeve & Rolf.....	\$32,833	00
Jenks, W. H.....	7,647	42
John Gillies Co.....	1,239	42
Monks, John, & Son.....	25,989	00
Spearin, H. L.....	22,632	18
Steers, H. D.....	33,748	87
		<hr/>
		124,089 89
<i>Cement, Sand, Granite, Broken Stone, Rip-rap and Cobble.</i>		
Baird, M.....	\$593	63
Brown & Fleming.....	19,883	23
Early & Co.....	6,801	71
Gildersleeve, A. C.....	6,295	44
Hinchcliffe, John.....	11,005	54
Kane, J. P., & Co.....	20,000	00
McGrath, M.....	32,756	19
Murray & Co.....	30,368	54
		<hr/>
		127,704 28
<i>Coal.</i>		
Duffy, P. H., & Son.....	\$1,170	50
Rheinfrank & Co.....	1,736	85
Winants, G. W., & Son.....	2,679	24
Wittenberg, A. M.....	4,079	76
Wynn Bros.....	574	70
		<hr/>
		10,241 05
<i>Drawing Material, Surveyor's Instruments, etc.</i>		
Bruning & Jacoby Company.....	\$34	50
Burke, W. E.....	23	52
Devoc & Raynolds.....	472	23
Kolesch & Co.....	35	00
Peerless Blue Print Company.....	20	76
Queen & Co.....	159	00
		<hr/>
		745 01
<i>Dredging.</i>		
Morris & Cumings Dredging Company.....	\$36,258	95
Walsh, E. S.....	3,659	27
Packard, R. G.....	39,494	02
		<hr/>
		79,412 24

*General Expenses, Including Workman's Tools and Maintenance of Floating
Property and Department Yards.*

Brown & Miller.....	\$579 00	
Capper, C. J.....	74 60	
Consolidated Ice Company.....	125 01	
Dienst, A. P., & Co.....	35 50	
Drew, H. P.....	8,676 75	
Duffy, Joseph D.....	68 00	
Foersch, Charles.....	188 15	
Fernbacher, N.....	350 00	
Gas Engine & Power Company.....	32,543 00	
Gerken, Fred'k.....	4,000 00	
Hall's, Isaac, Son.....	152 46	
Hildreth & Co.....	192 00	
Marine Vapor and Engine Company.....	20 00	
Meyrowitz Manufacturing Company.....	58 00	
Murphy, C. F. (employees' car fare, etc).....	4,487 51	
National Contracting and Supply Company.....	2,100 40	
Neostyle Company.....	35 28	
New York Telephone Company.....	3,133 43	
New York Roofing Company.....	224 00	
New York and New Jersey Telephone Company.....	227 60	
Ogden, J. E.....	3,477 46	
Pollock, Alexander.....	2,823 07	
Rhoads, B. T., & Co.....	962 50	
Secretary of State.....	53 05	
Sellew, T. G.....	30 00	
State Prisons.....	1,349 24	
Vallely, P. W.....	50 00	
Wyckoff, Seamans & Benedict.....	222 75	
Sicilian Asphalt Paving Company.....	241 32	
		\$66,480 08

Iron, Steel, Spikes, Washers and Mooring Posts.

Drew, H. P.....	\$4,379 81	
Keating, E. F.....	8,931 24	
National Contracting Company.....	4,040 86	
Ogden, J. E.....	15,879 80	
Pollock, Alexander.....	1,369 06	
		34,600 77

Lumber and Piles.

Beebe, C. S.....	\$1,950 00	
Carroll Box and Lumber Company.....	1,841 93	
Cooney, Eckstein & Co.....	49,992 30	
East River Mill and Lumber Company.....	1,859 30	
Naughton & Co.....	143,390 36	
Nicholls Brothers.....	2,204 00	
Orr, J. C., & Co.....	1,940 62	
		203,178 51

Paints, Oils, etc.

Dunham, Thomas C.....	\$2,098 59	
Pollock, Alexander.....	709 49	
Union Excelsior Lubricating Company.....	1,319 65	
		4,127 73

<i>Paving.</i>		
Plunkitt, George E.....	\$3,477 00	
Sheehan, John M.....	73,293 50	
Uvalde Asphalt Paving Company.....	48,876 00	
		<hr/> \$125,646 00
<i>Printing, Stationery, etc.</i>		
Brown, Martin B., Company.....	\$3,454 96	
Mitchell, W. P., & Son.....	613 25	
Robinson & Co.....	55 00	
		<hr/> 4,123 21
<i>Recreation Buildings.</i>		
Fernbacher, N.....	\$562 50	
Horgan & Slattery.....	897 78	
Kendall, Edward H.....	5,450 54	
Rhoads, B. F., & Co.....	337 50	
Smith, A.....	171,575 00	
Triest, W. G.....	4,185 44	
		<hr/> 183,008 76
<i>Rope.</i>		
American R. R. Mechanical Supply Company.....	\$2,722 88	
Drew, H. P.....	2,120 49	
National Contracting Company.....	162 00	
Travers Brothers Company.....	6,659 36	
		<hr/> 11,664 73
<i>Towing.</i>		
O'Neill, C. J.....	\$14,348 59	
Vierow's Towing Company.....	2,325 14	
		<hr/> 16,673 73
		<hr/> <hr/> \$994,033 79

SCHEDULE C.

SALARIES AUDITED ON CONSTRUCTION ACCOUNT.

J. Sergeant Cram, President.....	\$6,000 00
Charles F. Murphy, Treasurer.....	5,000 00
Peter F. Meyer, Commissioner.....	5,000 00
	<hr/> \$16,000 00
<i>Construction.</i>	
John A. Bensele.....	\$6,000 00
S. W. Hoag, Jr.....	3,000 00
W. E. Belknap.....	2,750 00
Chandler Davis.....	2,500 00
Allen N. Spooner.....	2,400 00
William S. White.....	2,400 00
Harvey Farrington.....	1,800 00
John M. Stewart.....	1,800 00
J. Garnet Bassinger.....	1,500 00
George A. Button.....	383 33

Harry C. Delano.....	\$850 81
Charles W. Staniford.....	3,500 00
John T. Hilton.....	1,200 00
J. Frank Johnson.....	1,500 00
William H. Cherry.....	1,225 00
William J. Crowley.....	1,225 00
William McDonald.....	1,200 00
Thomas S. Griffin.....	100 00
Juan J. Jiminez.....	440 30
William Lansing, Jr.....	1,500 00
George W. Tuttle.....	1,500 00
Hiram C. Calkins.....	1,500 00
James J. White.....	1,169 35
Patrick F. Crowley.....	1,200 00
John T. L. Doughty.....	1,200 00
William B. Johnston.....	48 39
Samuel C. Brown.....	813 34
John P. Nordstrom.....	1,200 00
Benjamin S. Wever.....	1,800 00
Joel J. Pemoff.....	1,200 00
Frederick F. Fuess.....	1,200 00
William C. Crosby.....	900 00
Robert M. Kid.....	1,800 00
John A. Duntze.....	1,800 00
William G. Johnson.....	1,200 00
Nicholas J. Vander Weyde.....	1,151 61
Alex. M. Goge.....	1,100 00
Ernest H. West.....	696 77
Peter Taylor.....	1,533 33
Edward Gottschall.....	2,000 00
Peter J. Quigley.....	458 33
James C. Daly.....	999 96
John J. Herrick.....	2,500 00
Norman B. Gardiner.....	2,100 00
Robert M. Sterritt.....	1,500 00
George W. Carpenter.....	1,200 00
Thomas H. Spooner.....	1,200 00
George A. Dearborn.....	1,200 00
James E. Thorndike.....	1,080 00
Harry C. Freeman.....	2,400 00
Berthold Sommer.....	1,800 00
Lucius C. Higgins.....	900 00
Norman W. Palmer.....	900 00
Thomas B. Boone.....	900 00
Frank M. Hale.....	900 00
John W. Ingalls.....	902 00
David H. Lane.....	900 00
Patrick O'Sullivan.....	900 00
Arthur Cassen.....	1,000 00
John J. Colleton.....	600 00
Patrick H. Bird.....	1,247 83
John T. Guy.....	400 00

William E. Bailey	\$1,200 00
Thomas S. Callender	846 77
Thomas J. Macvey	1,200 00
Thomas P. T. Nash	1,200 00
Frederick Lange	900 00
Effing V. Smith	1,500 00
John J. Boyle	1,200 00
Augustus Luerson	1,200 00
Louis F. Brennan	900 00
Thomas C. Carroll	900 00
Max Drucker	890 32
Patrick Donnelly	157 73
Jacob Bauer	1,200 00
Charles A. Manly	2,000 00
John W. Crump	867 50
Nicholas Deevy	56 45
Eli F. Macgowan	1,100 00
Romeo T. Betts	1,110 00
Francis W. Belknap	1,098 39
Joseph F. Cadley	725 00
Richard J. Wilson	454 30
John J. Leamy	433 06
Thomas L. MacLean	400 00
John A. Benham	166 67
Thomas J. Cronin	166 67
John O. Van Brakle	166 67
William F. Brendlin	76 61
Mary F. Meyer	540 00
Catharine Lyons	540 00
Mary Dowling	540 00
Annie Gerlach	426 77
John G. Osgood	414 60
Frederick W. Bach	414 60
Maria Connell	276 39
Julia E. Dowling	276 39
Mary A. Duffy	276 39
Mary Devlin	276 39
Mary Dennehy	276 39
Margaret Emerson	276 39
Ellen Kelly	276 39
Mary Latz	276 39
Elizabeth Nolan	276 39
Elizabeth O'Rourke	243 33
Mary E. Riley	276 39
Ellen Rinn	276 39
Amelia Schmidt	218 33
Mary A. Sheehan	276 39
Sarah Shiels	268 33
Adelia Sheridan	276 39
Kate Trimble	276 39
Mary West	276 39
John Lyons	276 39

Richard Pettit	\$276 39
Margaret Cox.....	276 39
Louise Canavan.....	276 39
Alice Clynes.....	276 39
Annie Healey.....	276 39
Elizabeth Leary.....	276 39
Sarah Ryan.....	276 39
Katharine Smith.....	276 39
Charlotte Sullivan.....	276 39
Mary Sheridan.....	276 39
Elizabeth Smith.....	248 76
Mary A. Williams.....	276 39
Sarah Fink.....	3 00
Mary A. Reilly.....	241 50
Kate Higgins.....	219 00
Eliza Carrigan.....	219 00
Jennie Martin.....	211 50
Mary Coburn.....	207 00
Minnie Coats.....	248 76
Annie Quinn.....	248 76
Julia Lamb.....	248 76
Mary Bolton.....	248 76
Rose Suggar.....	202 50
Bridget McAndrews.....	270 59
Kate O'Connor.....	193 94
Elizabeth Sheppard.....	151 50
Bridget Lennon.....	248 76
Sarah White.....	204 00
John Brophy.....	92 00
John F. Horan.....	326 00
Joseph Campbell.....	338 00
George Whiteus.....	338 00
William McGuinness.....	446 16
Michael Redican.....	446 16
William Burkitt.....	446 16
William C. Beneke.....	446 16
Robert E. Murphy.....	446 16
James J. Jordan.....	338 00
Michael Mulqueen.....	314 00
Michael Hennessey.....	190 00
Patrick H. Murphy.....	338 00
William McCormick.....	314 00
Richard Whalen.....	338 00
Alexander Roache.....	338 00
William Fuller.....	338 00
Michael Guilfoyle.....	338 00
Thomas Connelly.....	322 00
Thomas Hogan.....	322 00
Matthew Cooney.....	324 00
Joseph C. Fitzgerald.....	328 00
Martin M. Hanley.....	334 00
James Blake.....	349 52

John Noonan.....	\$330 00
Robert S. Dorney.....	295 00
William McCann.....	338 00
Christopher Meehan.....	262 00
Christian Hauff.....	338 00
John Regan.....	338 00
John J. Brennan.....	305 00
George McDermott.....	338 00
James E. Grinnen.....	268 08
William Devine.....	332 00
Bernard Kelly.....	338 00
Martin Corcoran.....	322 00
John M. Riordan.....	304 00
Joseph Dougherty.....	270 00
David Shearin.....	36 00
Charles Halloway.....	296 00
David F. Studley.....	310 00
Joseph Brenner.....	338 00
Julius Sarony.....	338 00
Louis N. Kohnstan.....	338 00
Edward J. Lynch.....	338 00
Julius Fisher.....	330 00
Edward D. Dean.....	338 00
Peter Lennon.....	338 00
Joseph Hanley.....	287 84
William Hennessey.....	338 00
Daniel F. Shanahan.....	338 00
Hubert Tyler.....	338 00
Michael Fitzpatrick.....	296 00
Jeremiah P. Cray.....	320 00
Francis Duffy.....	338 00
Thomas Jackson.....	318 00
John Roche.....	338 00
Peter Heins.....	338 00
John Smith.....	60 00
Elizabeth McNabee.....	202 50
James Purcell.....	126 00
Michael Collins.....	186 00
Michael Concannon.....	206 00
John J. Gavin.....	206 00
John J. Kiernan.....	194 00
Bernard Hanratty.....	134 00
Michael F. Reilly.....	118 00
Leonard Williams.....	30 00
James Daly, No. 2.....	14 00
	<u>\$145,330 81</u>

Weekly pay-roll for January 1, 1899, to December 31, 1899, Captains, Engineers, Crews and Watchmen on floating property, Dock Builders, Laborers, Blacksmiths, Carpenters, Masons, etc, on Construction Force..... \$578,687 19

SCHEDULE D.

BILLS AND CLAIMS AUDITED ON REPAIRS ACCOUNT.

Advertising.

"Das Morgen Journal".....	\$102 50	
"Evening Sun".....	124 20	
"Harlem Reporter".....	72 00	
"New York Journal".....	168 00	
"New York News".....	124 20	
"Telegraph".....	172 00	
"Weekly Union".....	36 80	
		<hr/> \$799 70

Carting and Sprinkling.

Cahill, James B.....	\$1,680 00	
Carley, Edward.....	1,287 00	
Jeffers, Thomas J.....	420 00	
Kelly, Thomas.....	6,759 00	
McArdle, Owen.....	52 50	
McGlynn, P.....	2,625 00	
		<hr/> 12,823 50

Lumber and Piles.

East River Mill and Lumber Company.....	\$7,018 66	
Hoskins Lumber Company.....	1,000 00	
Orr, J. C., & Co.....	3,330 44	
		<hr/> 11,349 10

Printing and Stationery.

Brown, Martin B., Company.....	362 50	
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Recreation Buildings.

Bayne's Sixty-ninth Regiment Band.....	\$7,932 00	
Boswald, John A.....	6,048 00	
Bowron, W. Lloyd.....	5,706 00	
Braham, D.....	7,935 00	
Brush Electric Illuminating Company.....	8,808 56	
Consolidated Ice Company.....	1,254 36	
Joyce, Thomas H.....	6,993 00	
Hanan, M. Z.....	7,932 00	
Manhattan Electric-light Company.....	1,253 32	
Neumeyer's Band.....	6,048 00	
Nugent, Thomas M.....	1,049 60	
Usher, Thomas F.....	6,993 00	
Welsbach Light Company.....	387 90	
West Disinfecting Company.....	430 00	
		<hr/> 68,770 74

Repairs and Dredging.

Atlantic Dredging Company.....	\$29,162 97	
Du Bois, Charles.....	1,253 11	
Du Bois Brothers Dredging Company.....	12,543 92	
International Contracting Company.....	12,310 39	
Morris & Cumings Dredging Company.....	22,615 44	

Ross, P. Sanford.....	\$35,972 46	
Steers, James R.....	6,523 20	
Walsh, E. S.....	18,126 41	
		<u>\$138,507 90</u>
<i>Miscellaneous.</i>		
Capper, C. J.....	\$127 75	
Consolidated Gas Company.....	621 16	
Dienst, A. P., & Co.....	153 75	
Drew, A. P.....	595 18	
Dunham, Thomas C.....	88 80	
Foersch, Charles.....	233 00	
Hall's, Isaac, Son.....	209 61	
Hardy & Tierney.....	102 50	
Love, E. G.....	50 00	
Murphy, C. F. (employees' car-fare, etc.).....	646 08	
Murray & Co.....	565 11	
Ogden, J. E.....	454 38	
Plunkitt, George E.....	11,012 05	
Pollock, Alexander.....	352 50	
Rhoads, B. F., & Co.....	625 00	
Sheehan, J. M.....	1,326 17	
Sicilian Asphalt Paving Company.....	700 41	
Stafford, A.....	25 00	
State Prisons.....	2,184 18	
Trinidad Asphalt Paving Company.....	924 39	
Uvalde Paving Company.....	113,712 40	
Wolf, L.....	70 00	
		<u>134,779 42</u>
Total.....		<u><u>\$367,392 86</u></u>

SCHEDULE E.

Pay-roll from January 1, 1899, to December 31, 1899, of Dock Builders, Laborers, Watchmen, Inspectors and Engineers, of General Repairs Force.....	<u>\$104,981 92</u>
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SCHEDULE F.

BILLS AND CLAIMS AUDITED ON ANNUAL EXPENSE ACCOUNT.

<i>Auditing.</i>		
"Commercial Advertiser".....	\$20 00	
"Das Morgen Journal".....	12 50	
"Harlem Reporter".....	8 00	
"Journal".....	20 00	
"News".....	15 00	
"Telegraph".....	20 00	
"Weekly Union".....	4 00	
		<u>\$99 50</u>
<i>Stationery, etc.</i>		
Brown, Martin B., Company.....	\$6,412 22	
Campbell, W. H.....	600 00	
		<u>7,012 22</u>

Miscellaneous.

Capper, C. J.	\$51 50
Consolidated Ice Company.	68 40
• Gallien, A.	400 00
Lawyers Title Insurance Company	593 50
Marx & Brother	60 00
Murphy, C. F. (employees' car-fare, etc.)	1,461 69
Nugent, Thomas M.	15 00
Sloane, W. & J.	152 75
State Prison.	50 54
Valley, P. W.	78 10
Whitney, P. A.	25 25
Wolf, L.	21 00
	<hr/>
	\$2,977 73
	<hr/>
	\$10,089 45
	<hr/>

SCHEDULE G.

SALARIES AUDITED ON 'ANNUAL EXPENSE ACCOUNT.

	Per annum.
William H. Burke.	\$4,800 00
Charles J. Farley.	3,000 00
John M. Phelan.	3,000 00
James Weir.	2,400 00
Charles J. Collins.	2,485 22
Louis S. Kellogg.	2,000 00
Edwin A. Gregory, Jr.	1,200 00
Daniel D. Barry.	1,800 00
Robert F. Aram.	1,500 00
Charles F. Friedman.	1,500 00
George E. Weller.	1,500 00
Francis McMullin.	1,500 00
Peter J. Quigley.	1,041 67
Martin J. McInerny.	1,800 00
Frank J. Butler.	1,790 32
Robert Gere.	1,800 00
Francis J. Ryan.	1,500 00
Richard B. Ross.	1,200 00
Bernard V. Levey.	1,200 00
William V. Levy.	610 22
Joseph F. Cadley.	300 00
William O'B. Walker.	3,000 00
Thomas Brady.	1,500 00
Edward Abeel.	1,500 00
James J. Fleming.	1,487 90
W. J. Matthews.	1,500 00
L. Hitch Harrison.	1,500 00
Thomas E. Booth.	1,500 00
Thomas P. Walsh.	729 17
Gerard Bancker.	1,500 00
John Clark.	1,500 00

William H. Burns.....	\$1,500 00
W. H. Rockwell.....	1,500 00
Thomas Lusk.....	1,500 00
Martin Mauer.....	1,500 00
Rufus Darrow, Jr.....	1,500 00
Thomas Geary.....	1,500 00
Victor Heimberger.....	750 00
Patrick Hennessy.....	750 00
Peter Woolley.....	750 00
John R. Powers.....	750 00
Edwin F. Kennedy.....	750 00
John J. White.....	750 00
James G. Shand.....	750 00
Walter O. Bollas.....	1,000 00
Charles E. Alsberge.....	250 00
Leonard Becker.....	250 00
George R. Copelan.....	250 00
Abraham Miller.....	250 00
William J. Cox.....	250 00
Henry Habe, Jr.....	250 00
Thomas J. Percival.....	250 00
Edward A. Staufer.....	250 00
John Wallace.....	250 00
Thomas S. MacLean.....	250 00
William J. Fay.....	1,200 00
James R. Misk.....	675 00
John T. O'Brien.....	900 00
Bernard P. Gibney.....	900 00
Thomas Reynolds.....	900 00
John T. Havanagh.....	900 00
	<hr/>
	\$76,869 50

SCHEDULE H.

BILLS AND CLAIMS AUDITED ON ACQUIRED PROPERTY ACCOUNT.

Bartlett, F.....	\$3,680 00
Bien, Franklin.....	2,418 00
Bloxham, Kate.....	99,481 17
Chandler, Baker & Platt.....	1,250 00
Clarke, George C.....	2,418 00
Crimmins, John D.....	64,510 39
Crimmins, Thomas E.....	64,510 39
Fawcett, W. J.....	1,307 80
Fogg, W. W.....	750 00
Guy, C. L.....	1,654 80
Hoffman, E. A.....	29,301 58
Hubbard, G. S.....	1,654 80
Judge, J. H.....	2,418 00
Lawyers Title Insurance Company.....	97 10
Loew, E. V.....	1,654 80

McKenzie, W. M.....	\$175 00
National Bank of Republic.....	591 00
Neallis, Thomas J.....	54 00
New York Telephone Company.....	78 80
"New York Times".....	208 00
Palmer, W. W.....	835 17
Pratt, C. G.....	443 50
Prince, J. J.....	3,970 25
Smith, Ella.....	24,870 29
"Sun".....	393 60
Torrance, J. R.....	1,189 88
Martin B. Brown Company.....	16 05
Towle, Frank E.....	592 90
	<u>\$310,525 27</u>

SCHEDULE I.

WALLABOUT FUND.

Gildersleeve & Rolf.....	\$61,987 50
Walsh, A.....	31,050 04
Pay-rolls.....	1,691 55
	<u>\$94,729 09</u>

SCHEDULE J.

STATEMENT OF VALUATION OF FLOATING PLANT, DECEMBER 31, 1897.

100-ton derrick.....	\$100,000 00
12-ton derrick, No. 1.....	10,000 00
12-ton derrick, No. 2.....	16,000 00
12-ton derrick, No. 3.....	16,000 00
10-ton derrick.....	6,000 00
Tug "Pier".....	30,000 00
Pile driver, No. 1.....	800 00
" 4.....	6,000 00
" 5.....	5,000 00
" 6.....	900 00
" 7.....	1,000 00
" 8.....	1,000 00
" 9.....	3,500 00
" 10.....	3,600 00
" 11.....	3,600 00
" 12.....	5,500 00
" 13.....	8,500 00
" 14.....	8,500 00
" 15.....	4,500 00
" 16.....	4,500 00
Deck Scow "B".....	1,800 00

Deck Scow "C".....	\$600 00
" "D".....	600 00
" "F".....	100 00
" "H".....	4,000 00
" "I".....	4,000 00
" "K".....	4,000 00
" "L".....	4,000 00
" "M".....	4,000 00
" "N".....	4,000 00
" "O".....	4,000 00
" "P".....	4,000 00
" "R".....	75 00
" "S".....	1,400 00
" "U".....	3,400 00
Boring Machine "Woodcock".....	1,200 00
Diver's Scow "A".....	500 00
" "G".....	250 00
" "N".....	500 00
" "S".....	500 00
" "T".....	900 00
Naphtha-engine launch, No. 1.....	400 00
Naphtha-engine launch, No. 2.....	750 00
Alco-vapor launch.....	1,800 00
Small boats (28 yawl boats, 2 skiffs, 6 sounding-boats, 2 bateaux and 1 row boat)...	1,200 00
Total value of floating plant.....	<u>\$282,875 00</u>

SCHEDULE K.

Judgments Obtained by the Counsel to the Corporation for Claims for Unpaid Wharf Rents.

WHOM AGAINST.	DATE FILED.	INTEREST INCLUDED.	AMOUNT.
John D. Tracy.....	Oct. 1, 1877	.....	\$991 19
Dillon Ransom.....	Mar. 5, 1879	.....	1,300 00
Patrick Grace.....	Feb. 15, 1879	.....	251 25
John D. Tracy.....	Apr. 14, 1880	\$504 75	3,479 75
David Tracy.....	Dec. 14, 1880	1,319 80	5,919 80
".....	Dec. 29, 1880	3,133 56	14,213 96
".....	Mar. 9, 1881	4,063 67	\$17,687 42
" Less received.....	Apr. 25, 1883	.....	780 00
" ".....	Mar. 20, 1891	.....	1,395 00
" ".....	Aug. 30, 1893	.....	400 00
".....	Mar. 10, 1881	\$436 34	15,112 42
".....	Mar. 15, 1881	377 18	10,430 46
".....			1,839 68

WHOM AGAINST.	DATE FILED.	INTEREST INCLUDED.	AMOUNT.
David Tracy	Apr. 26, 1881	\$637 85	\$3,105 56
"	July 29, 1881	1,366 67	6,240 53
James H. Graham	June 4, 1880	99 60	540 35
H. A. Tidemann	Mar. 30, 1881	871 53	4,721 53
"	Oct. 6, 1881	611 10	2,604 43
Thomas Gaynor	Apr. 9, 1881	439 22	2,531 72
Thomas C. Burke	Jan. 15, 1881	2,389 60	13,139 60
"	Oct. 20, 1881	739 05	6,114 05
James Savage	Mar. 16, 1881	16 70	141 70
Herman Hastorf	May 17, 1880	439 63	2,214 63
"	Apr. 30, 1881	1,806 36	7,426 36
John E. Hoagland	Nov. 26, 1881	292 13	942 13
Jesse Ryder	Nov. 26, 1881	193 86	658 86
Empire City Ice Company	Jan. 27, 1882	43 15	193 15
William H. Brown	Feb. 16, 1882	636 31	2,011 31
John Burns	Apr. 29, 1882	7 35	57 35
John Brennan and others, composing West India Fruit Dealers' Association	July 6, 1882	2,405 55	11,780 55
Daniel Dailey	Sept. 14, 1882	3 05	140 55
Adolph L. Kerker	Oct. 9, 1882	.....	2,100 00
Daniel Daily	Oct. 13, 1882	1 45	138 95
Frederick Schecker	Oct. 12, 1882	46 47	883 97
Collateral judgment against estate of Thomas Tone, surety for David Tracy	Oct. 23, 1882	.....	231 67
A. T. Decker & Co.	May 9, 1894	142 68	3,233 61
"	Nov. 9, 1894	49 11	2,109 73
"	Apr. 21, 1898	312 93	1,727 14
			\$128,527 94

SCHEDULE L.

Claims for Unpaid Wharf Rents placed with the Counsel to the Corporation for Collection, and for which no return was made prior to December 31, 1899.

Against John Darrow	Nov. 1, 1870	\$1,200 00
William Bradley	July 1, 1874	8,750 00
Oyster Bay and Huntington Steamboat Company	Dec. 17, 1874	125 00
Henry Smith	Feb. 1, 1875	9,750 00
Benjamin Terwilliger	May 1, 1875	900 00

Against David Tracy.....	May 1, 1878.....	\$2,017 50
Alexander Mason and Robert Foster.....	May 1, 1878.....	4,227 50
Morrisania Steamboat Company.....	May 1, 1879.....	250 00
John G. Dale.....	Sept. 23, 1879..	322 78
Sundry deficits prior to June, 1878, awaiting legal disposition } by the Law Department..... }		28,038 45
Thomas C. Burke.....	July 12, 1880.....	852 99
Thomas Fitzpatrick.....	Sept. 15, 1880.....	1,237 50
Steam Yacht "Yosemite".....	June 1, 1882.....	935 93
Joseph Cooper.....	Feb. 1, 1883.....	1,375 00
John H. Baxter.....	Feb. 1, 1883.....	175 00
Joseph Cooper.....	May 1, 1883, to May 1, 1884	2,750 00
William H. Wood.....	May 1, 1883, to May 1, 1884	1,562 50
Peter H. Walsh.....	Aug. 1, 1883, to May 1, 1886	3,843 75
Booth & Edgar.....	Dec. 5, 1883.....	250 00
Alexander Mason.....	Mar. 5, 1884.....	1,750 00
Morris Wazel.....	Aug. 1, 1884, to May 1, 1885	900 00
Patrick Murray.....	Nov. 1, 1884, to Feb. 11, 1885	28 01
Dennis Devine.....	For wharfage May 1, 1885..	58 90
Thomas Dore.....	For wharfage May 1, 1885..	235 50
James L. Miller.....	21 months and 16 days' } rent to May 1, 1887... }	538 15
Daniel T. Robinson.....	Nov. 1, 1888.....	177 08
F. W. Wright.....	12 mos. rent, to May 1, 1890	4,000 00
Orrin D. Person.....	May 1, 1893.....	120 00
Sheridan & Byrne.....	To May 1, 1895.....	6,475 00
William Texter.....	Season, 1894.....	500 00
James J. Herbert.....	To Sept. 1, 1895.....	141 67
G. F. & E. C. Swift.....	To May 1, 1897.....	906 47
Knickerbocker Ice Company.....	To Dec. 31, 1899.....	2,602 49
Fulton Market Fishmongers' Association.....	To Dec. 1, 1899.....	1,161 84
Jones & Brosnan.....	To Nov. 30, 1897.....	33 63
Gansevoort Freezing and Cold Storage Company.....	To Oct. 15, 1897.....	1,143 91
E. W. Youmans.....	To Dec. 20, 1897.....	30 14
James Parks.....	To Aug. 1, 1898.....	1,250 00
William J. Clark.....	To April 13, 1899.....	234 72
James Rogers.....	To Dec. 31, 1899.....	4,250 00
Estate of William Lynch.....	To Feb. 1, 1900.....	2,525 00
Atlantic Transportation Company.....	To Aug. 16, 1899.....	328 77
Brooks, William, Son Company....	To Jan. 13, 1899.....	152 05
McDermott, M. M.....	To May 1, 1899.....	84 11
		\$98,196 34

STATEMENT SHOWING THE DISTRIBUTION OF WHARFAGE RECEIVED DURING THE YEAR 1899.

MANHATTAN.

North River.

Battery platform.....	\$3,920 58
Pier, new 1	4,974 79
Newly-made land between Vesey and Canal streets.....	1,040 00
Pier, old 42	4,869 09
Bulkhead between Piers, new 42 and 43	967 35
Pier, new 43.....	529 94
Bulkhead north of West Tenth street.....	4,857 05
Pier, old 56½.....	551 23
Bulkhead between old 56½ and Bloomfield street.....	9,660 60
Pier foot of Bloomfield street.....	801 61
Bulkhead between old 58 and old 58½.....	380 50
Pier, old 58½.....	1,777 59
Bulkhead between old 58½ and old 59.....	40 56
Pier at West Thirteenth street.....	689 24
Pier at West Seventeenth street.....	2,558 67
Pier at West Nineteenth street.....	1,849 65
Pier at West Twentieth street.....	3,067 20
Bulkhead between Piers, new 57 and 58	537 25
Bulkhead between Piers, new 58 and 59.....	361 16
Newly-made land between Twenty-ninth and Thirtieth streets.....	90 00
Pier at West Thirtieth street.....	533 09
Bulkhead between West Thirty-third and West Thirty-fourth streets..	72 70
Pier at West Thirty-fourth street.....	2,277 22
Pier at West Thirty-fifth street.....	2,786 77
Pier at West Forty-fourth street.....	299 21
Pier at West Forty-seventh street.....	1,027 49
Bulkhead between West Forty-ninth and West Fiftieth streets.....	123 00
Pier at West Fiftieth street.....	816 03
Bulkhead between West Fiftieth and West Fifty-first streets.....	73 42
Pier at West Fifty-first street.....	1,106 40
Bulkhead between West Fifty-first and West Fifty-second streets....	64 65
Pier at West Fifty-second street.....	2,381 85
Bulkhead between West Fifty-second and West Fifty-third streets....	663 71
Bulkhead between West Fifty-fourth and West Fifty-fifth streets.....	24 96
Pier at West Fifty-fifth street.....	1,999 76
Bulkhead between West Fifty-fifth and West Fifty-sixth streets.....	159 15
Pier at West Fifty-sixth street.....	1,852 77
Bulkhead between West Seventy-sixth and West Seventy-ninth streets.	1,651 77
Pier at West Seventy-ninth street.....	579 95
Bulkhead between West Seventy-ninth and West Eighty-first streets..	816 61
Bulkhead between West Ninety-seventh and West Ninety-ninth streets	3,643 08
Pier at West One Hundred and Twenty-ninth street.....	444 39
Pier at West One Hundred and Thirty-first street.....	19 92
Bulkhead between West One Hundred and Thirty-first and West One Hundred and Thirty-second streets	40 00
Pier at West One Hundred and Thirty-second street.....	2,542 90
Reclaimed land between West One Hundred and Thirty-second and West One Hundred and Thirty-third streets.....	60 00

Pier at West One Hundred and Thirty-third street.....	\$1,045 17
Pier at West One Hundred and Thirty-fourth street.....	217 52
Pier at West One Hundred and Thirty-eighth street.....	29 08
Pier at West One Hundred and Forty-eighth street.....	60 00
Bulkhead between West One Hundred and Fifty-second and West One Hundred and Fifty-fifth streets.....	161 38
Pier at West One Hundred and Fifty-fifth street.....	49 00
Bulkhead between West One Hundred and Fifty-fifth and West One Hundred and Fifty-eighth streets.....	87 00
Pier at West One Hundred and Fifty-eighth street.....	214 35
Foot of West One Hundred and Sixty-second street.....	150 00
Foot of West One Hundred and Sixty-third street.....	193 50
Foot of West One Hundred and Sixty-eighth street.....	50 00
	<hr/>
	\$71,841 87

East River.

Pier, new 6.....	\$2,111 72
Bulkhead between Piers 11 and 12.....	8 09
Pier 12.....	1,432 75
Bulkhead between Piers 18 and 19.....	193 86
Pier 27.....	917 86
Pier, new 29.....	3,928 02
Pier, new 32.....	3,743 11
Bulkhead between new 32 and old 42.....	511 60
Pier 42.....	1,509 89
Pier 43.....	334 06
Pier, new 34.....	21 00
Pier 44.....	179 23
Pier 48.....	5,217 75
Corlear street.....	158 35
Pier 55.....	30 23
Pier foot of Stanton street.....	384 31
Pier foot of East Third street.....	2,156 68
Pier at East Fourth street.....	1,689 46
Bulkhead north side East Fourth street.....	307 92
Pier at East Fifth street.....	2,349 82
Pier at East Eighth street.....	343 34
Bulkhead at East Sixteenth street.....	194 82
Pier at East Twentieth street.....	542 73
Pier at East Twenty-fourth street.....	870 50
Pier at East Twenty-sixth street.....	73 07
Pier at East Twenty-eighth street.....	1,751 34
Pier at East Twenty-ninth street.....	1,595 15
Pier at East Thirty-first street.....	128 07
Pier at East Thirty-eighth street.....	427 25
Bulkhead at East Forty-fifth street.....	120 00
Bulkhead at East Forty-ninth street.....	65 95
Bulkhead at East Fiftieth street.....	181 00
Bulkhead at East Fifty-second street.....	20 00
Bulkhead at East Fifty-third street.....	361 63
Bulkhead at East Fifty-fourth street.....	284 51
Bulkhead at East Fifty-fifth street.....	150 00
Pier at East Sixtieth street.....	821 09

Bulkhead between piers at Sixtieth and Sixty-first streets.....	\$562 66	
Pier at East Sixty-first street.....	931 64	
Bulkhead between Sixty-first and Sixty-second streets.....	421 16	
Bulkhead foot of East Sixty-second street.....	1,736 69	
Bulkhead foot East Sixty-fourth street.....	97 91	
Bulkhead between Sixty-fourth and Sixty-sixth streets.....	25 00	
Bulkhead at East Seventy-fifth street.....	143 47	
Bulkhead at East Seventy-sixth street.....	201 70	
Bulkhead at East Seventy-eighth street.....	315 70	
Bulkhead at East Seventy-ninth street.....	279 82	
Bulkhead at East Eighty-fourth street.....	15 00	
Pier at East Eighty-sixth street (Lower Pier).....	316 43	
Pier at East Eighty-sixth street (Upper Pier).....	355 25	
Bulkhead between Ninety-first and Ninety-second streets.....	520 34	
Bulkhead foot East Ninety-third street.....	67 49	
Pier at East Ninety-fourth street.....	271 05	
Pier at East Ninety-fifth street.....	568 47	
Pier at East Ninety-sixth street.....	841 67	
Bulkhead between East Ninety-sixth and East Ninety-seventh streets.....	168 30	
		\$42,955 91

Harlem River.

Pier at East One Hundredth street.....	\$169 65	
Bulkhead between East One Hundred and First and East One Hundred and Fourth streets.....	1,949 46	
Bulkhead foot East One Hundred and Sixth street.....	117 12	
Bulkhead foot East One Hundred and Seventh street.....	8 48	
Bulkhead between East One Hundred and Seventh and East One Hundred and Tenth streets.....	1,430 95	
Pier at East One Hundred and Twelfth street.....	296 62	
Bulkhead foot East One Hundred and Fifteenth street.....	144 44	
Pier at East One Hundred and Seventeenth street.....	342 41	
Bulkhead foot East One Hundred and Twenty-fourth street.....	106 25	
Bulkhead foot East One Hundred and Twenty-fifth street.....	247 90	
Bulkhead foot East One Hundred and Twenty-ninth street.....	37 15	
Lexington avenue and One Hundred and Thirty-second street.....	757 00	
Bulkhead foot East One Hundred and Thirty-seventh street.....	13 15	
Bulkhead foot East One Hundred and Thirty-eighth street.....	50 99	
Pier foot East One Hundred and Thirty-ninth street.....	1,497 09	
Pier foot East One Hundred and Fortieth street.....	63 07	
Bulkhead foot One Hundred and Forty-eighth street.....	105 01	
Bulkhead foot Lenox avenue.....	30 00	
Bulkhead foot One Hundred and Fifty-first street.....	213 74	
Bulkhead foot One Hundred and Fifty-third street.....	175 00	
Bulkhead foot One Hundred and Fifty-fourth street.....	45 00	
Bulkhead foot One Hundred and Fifty-fifth street.....	72 80	
		7,873 28
Total for Manhattan.....		\$122,671 06

THE BRONX.

Pier at Highbridge.....	\$36 94
Pier at Fordham Heights.....	115 10
One Hundred and Thirty-eighth street, Long Island Sound.....	12 00

Central avenue, Baychester	\$8 00	
Bungay street	55 00	
Unionport	6 25	
New road, Throgg's Neck	25 00	
Willow avenue	43 75	
Pelham Bay	31 00	
	<hr/>	\$333 04
QUEENS		
Harris avenue	\$64 02	
Douglaston	41 00	
Whitestone Landing	25 00	
College Point	25 00	
	<hr/>	155 02
BROOKLYN.		
Twelfth street, Coney Island Creek	\$10 00	
Forty-third street	12 00	
Thirteenth street, Gowanus Canal	2 50	
Twelfth street, Gowanus Canal	11 97	
Second street, Gowanus Canal	53 01	
East De Graw street, Gowanus Canal	320 05	
Douglass street, Gowanus Canal	157 28	
De Graw street, Gowanus Canal	65 65	
Carroll street, Gowanus Canal	2 17	
Sackett street, Gowanus Canal	14 75	
First street, Gowanus Canal	207 14	
Second street, Gowanus Canal	131 70	
President street, Gowanus Canal	3 30	
Bond street, Gowanus Canal	174 96	
Bowne street, Gowanus Canal	1 00	
Creamer street, Gowanus Canal	56 27	
Union street	30	
Harrison street	20 30	
King street	1 11	
De Graw street	20 80	
Sullivan street	1 00	
Joralemon street	1 00	
Dock street	58 18	
Clinton avenue	802 61	
Pier 1, Wallabout Basin	1,259 30	
Wallabout Basin	2,891 55	
Division avenue	114 14	
South Fifth street	1,022 82	
South Second street	180 90	
North Second street	546 70	
Noble street	1,783 18	
Manhattan avenue	2 75	
	<hr/>	9,930 48
Total		<hr/> <u>\$133,089 60</u>

STATEMENT

Of Revenues and Expenditures of the Department of Docks, from the Organisation of the Department in May, 1870, to December 31, 1899.

FOR YEARS END- ING APRIL 30.	TOTAL GROSS REVENUE FROM LEASES WHARVES AND WHARFAGE.	REVENUE FROM FERRY LEASES AND FRANCHISES.	TOTAL ANNUAL EXPEN- DITURES AUDITED.	SALARIES OF COMMISSION- ERS.	SALARIES OF SECRETARY, CLERKS, DOCK- MASTERS, ETC.	STATIONERY AND INCIDENT- ALS OF COM- MISSIONERS' OFFICE.	SALARIES OF ENGINEER-IN- CHIEF AND SUBORDINATES	BILLS AND CLAIMS AUDITED ON CONSTRUC- TION, INCLUD- ING LABOR PAY-ROLLS.	BILLS AND CLAIMS AUDITED ON GENERAL REPAIRS, INCLUDING LABOR PAY-ROLLS.	ACQUIRED PROPERTY.
For year ending—										
1871	\$315,524 54		\$486,449 12	\$50,000 00	\$48,182 56	\$34,258 68	\$40,015 20	\$323,992 68		
1872	412,850 93		1,075,605 61	48,252 65	59,544 40	20,762 69	69,473 94	877,631 93		
1873	447,328 01		622,878 23	50,000 00	54,787 41	28,754 09	60,791 45	428,545 08		
1874	479,361 51		932,105 75	14,574 73	48,738 55	20,913 32	39,383 62	815,496 53		
1875 ..	489,361 06		1,536,204 33	22,443 52	52,788 12	24,029 20	37,674 30	1,409,269 19		
1876	650,781 88		692,663 96	22,500 00	31,973 61	15,844 34	28,560 33	603,725 68		
1877	706,607 78		433,089 80	22,500 00	24,664 53	10,999 82	29,965 95	354,939 50		
1878	853,816 92		426,934 69	11,850 81	21,817 40	9,957 41	31,505 72	388,234 93		
1879	762,122 37		373,425 68	11,281 18	20,859 62	13,021 17	28,449 84	249,068 36		
1880	820,465 41		599,768 63	6,000 00	19,706 94	12,786 96	28,450 00	284,868 89		
1881	865,071 89		640,481 37	7,169 35	20,263 22	9,776 22	30,733 50	515,044 45		
1882	1,062,162 54		1,180,097 44	9,000 00	22,503 41	12,321 48	32,869 91	829,050 27		
1883	1,162,893 96	Collected by Comptroller between	953,007 85	9,000 00	25,999 07	13,756 80	33,084 00	715,641 01		
1884	1,246,858 19		760,106 80	9,000 00	30,225 31	13,213 81	37,860 85	575,080 87		

1885	1,187,217 14	May 1, 1890, and Jan. 20, 1896, \$6- 104,244.72.	1,020,207 51	9,000 00	31,416 67	11,379 73	45,703 41	416,111 59	178,493 66	328,002 75
1886	1,228,151 80		376,774 00	9,000 00	43,192 19	13,140 00	41,159 25	199,248 72	70,918 19	121 65
1887	1,260,036 38		389,169 82	9,000 00	46,693 71	6,472 12	44,960 89	162,621 52	119,421 58	.....
1888	1,320,684 81		1,069,538 62	9,000 00	41,469 87	6,315 92	53,070 07	653,434 14	230,635 17	75,613 45
1889	1,418,440 62		1,218,483 76	8,614 52	39,247 76	8,064 44	58,738 73	941,878 01	155,620 30	6,300 00
1890	1,487,030 71		1,316,370 65	9,000 00	37,804 69	1,454 44	67,727 67	850,422 54	169,923 78	180,037 53
1891	1,508,554 93		1,971,844 84	10,999 98	43,824 24	6,105 71	78,337 98	1,265,698 26	130,093 78	436,784 89
1892	1,662,437 70		1,882,873 63	15,000 00	51,926 82	11,140 63	86,763 78	1,507,587 59	202,605 88	7,848 93
1893	1,765,783 65		2,162,566 00	15,000 00	55,979 26	5,996 07	89,961 71	1,317,751 55	198,224 29	1,079,653 12
1894	1,839,658 78		2,798,455 73	15,000 00	60,837 36	8,700 38	85,328 88	1,685,908 22	160,416 06	782,265 63
1895	1,940,079 05		1,645,076 02	15,000 00	70,367 25	6,697 24	89,865 80	747,675 81	188,327 91	527,142 01
1896	2,021,698 47		760,050 14	15,000 00	65,461 22	5,847 15	83,111 95	312,202 39	223,908 61	54,428 82
1897	2,066,839 02		1,739,762 24	15,000 00	59,375 32	11,653 88	96,914 74	522,233 79	194,631 77	839,952 74
Eight months to Dec. 31, 1897.	1,433,894 32		4,656,304 88	9,999 99	39,917 50	4,490 38	82,075 94	975,893 46	164,044 11	3,379,883 50
Year ending Dec. 31, 1898.	2,027,126 20	\$364,793 46	3,452,890 47	16,000 00	73,082 60	5,373 52	123,730 93	1,796,374 43	246,588 56	1,187,840 43
Dec. 31, 1899.....	2,366,409 34	372,451 03	2,698,639 88	16,000 00	76,869 50	10,089 45	145,330 81	1,667,450 07	472,374 78	310,525 27
Total.....	\$36,900,159 11	6,901,469 21	\$40,531,768 45	\$466,186 73	\$1,320,420 11	\$363,327 05	\$1,794,622 35	\$23,383,075 16	\$3,810,146 33	\$9,399,990 72

RENT-ROLL

OF

LEASES AND PERMITS

IN FORCE

DECEMBER 31, 1899.

RENT ROLL, showing the Occupancy on December 31, 1899, of all Corporation Wharf Property under Leases and Permits of the Department of Docks and Ferries.

PROPERTY.	LESSEE OR OCCUPANT.	TERM OF TENANCY.	RENT.	RIGHT OF TENANCY.	RECEIVED.
<i>North River.</i>					
Berth at Battery Landing.....	American Committee, Stat- ue of Liberty.....	At pleasure of the Board...	\$500 per ann.	{ Resolutions May 20 and 27, 1898.....	.....
Berth at Battery Landing.....	T. G. & W. R. Fatten.....	Summer season, 1899.....	1,200 "	{ Resolutions, February 24 and March 3, 1899.....	\$1,200 00
Berth for Bath at Battery Wall.....	William A. Hall.....	Summer season, 1899.....	250 per mo.	{ Resolutions, March 30 and April 14, 1899.....	816 66
Pier, new 1, North river, with privilege of using shed etc.....	Knickerbocker Steam Tow- age Company.....	May 1, 1899, to May 1, 1909	23,000 per ann.	Resolution, April 21, 1899....	17,250 00
Bulkhead between Pier, new 1, and Pier, old 1, North river.....	William J. Murray.....	May 1, 1898, to May 1, 1900	2,000 "	{ By public sale, April 18, 1898, and 24, 1895, and June 3, 1895.....	2,000 00
Reclaimed land south of Pier, old 1 11:43:30 square feet.....	Pennsylvania Railroad Com- pany.....	At pleasure of the Board...	2,859 "	{ By resolutions, June 27, and November 21, 1895, and May 27, 1898.....	2,859 00
Land under water for platform between Piers, old 1 and 2, 8,803 square feet.....	Pennsylvania Railroad Com- pany.....	At pleasure of the Board...	2,200 "	{ By resolution, November 28, 1894.....	2,200 00
Land under water for extension to Pier, old 2, 75 square feet.....	Lehigh Valley Railroad Company.....	At pleasure of the Board...	18.75 "	{ By resolutions, August 25, 1886, and July 11 and October 5 and 18, 1895, and May 27, 1898.....	3,528 80
Land under water for platform between Piers, old 2 and 3, 15,570 square feet.....	Lehigh Valley Railroad Company.....	At pleasure of the Board...	3,890 "	{ By resolutions, April 26, 1894, and May 27, 1898.....	3,340 88
Land under water for platform between Pier, old 3 and 4, 13,403 square feet.....	Pennsylvania Railroad Com- pany.....	At pleasure of the Board...	3,340.86 "	By resolution, April 20, 1893..	20,000 00
Land under water for extension to bulkhead between Piers 3 and 6 and widening Piers 4 and 5, 97,789 square feet.....	Pennsylvania Railroad Com- pany.....	At pleasure of the Board...	22,000 "	By resolution, August 19, 1898	681 24
Land under water for platform, in front of bulkhead north of Pier 6, North river, 2,795 square feet.....	New York Steam Com- pany.....	At pleasure of the Board...	681.25 "	By resolution, August 12, 1898	1,204 00
Land under water for platform north and south of Pier 7, North river.....	New York and Baltimore Transportation Line.....	At pleasure of the Board...	1,204 "	{ By resolutions, January 5, 1891, and June 24, 1898....	1,500 00
Land under water for platform south side Pier 8, 4,059 square feet.....	Central Railroad Company of New Jersey.....	At pleasure of the Board...	1,500 "	{ By resolutions, October 3, 1895, and June 24, 1898....	2,133 76
Land under water for extension to platform between Piers 8 and 9, 8,535 square feet.....	Cromwell Steamship Com- pany.....	At pleasure of the Board...	2,133.75 "	{ By resolutions, April 30, 1884, and October 10 and 17, 1895, and June 24, 1898	1,133 76
Land under water for extension to Pier 9, 4,455 square feet.....	William Cruikshank, agent.....	At pleasure of the Board...	1,113.75 "	By resolution, October 5, 1896	578 50
Land under water for further extension to Pier 9, 2,774 square feet.....	Cromwell Steamship Com- pany.....	At pleasure of the Board...	568.50 "		

PROPERTY.	LESSEE OR OCCUPANT.	TERM OF TENANCY.	RENT.	RIGHT OF TENANCY.	RECEIVED.
Land under water for platform between Piers, old 9 and 10, 5,300 square feet.	Cronwell Steamship Company.	At pleasure of the Board.	\$1,375 per an.	{ By resolutions, August 1, 1895, and June 24, 1898.	\$1,375 00
Land under water for platform at bulkhead north side Pier 10, and widening north side of pier about 4,112 square feet.	Metropolitan Steamship Company.	At pleasure of the Board.	1,028 "	{ By resolutions, July 26, 1882, and October 17 and 24, 1895, and June 24, 1898.	1,028 00
Land under water for extension of Pier, old 11, 3,344 square feet.	Metropolitan Steamship Company.	At pleasure of the Board.	828.50 "	{ By resolutions, February 13, 1890, and October 10 and 17, 1895, and June 24, 1898.	828 52
Northerly half Pier, old 12. Pier old 13, built between said piers, together with platforms in front of said bulkheads.	Central Railroad Company of New Jersey.	May 1, 1895, to May 1, 1905	53.850 "	By public sale, April 15, 1895.	53,850 00
Land under water for old platform south of Pier, old 10, 4,109 square feet.	Pennsylvania Railroad Company.	At pleasure of the Board.	1,040.50 "	{ By resolutions, November 27, 1895, and June 24, 1898.	1,040 48
Land under water for extension to platform south of Pier, old 16, and also for extension to outer end of pier, 7,653 square feet.	Pennsylvania Railroad Company.	At pleasure of the Board.	1,913.75 "	{ By resolution, April 30, 1884, and minutes September 12, 1895, and June 24, 1898.	1,913 76
Twenty-three feet of bulkhead south of former site of Pier, old 18, and 7,243 square feet of land under water.	Pennsylvania Railroad Company.	At pleasure of the Board.	300 per mo.	{ By resolutions, February 28, 1895, and June 24, 1898.	3,600 00
Bulkhead, when completed, extending from a point 20 feet south of the northerly line of Cortlandt street southerly 23 feet.	Pennsylvania Railroad Company.	Ten years from date of completion, with privilege of two renewals of ten years each.	1,380 1st term 1,518 2d term 1,669.80 3d term	{ By resolutions, December 14, 1893, and January 3, 1895.	.....
Bulkhead from the northerly line of Cortlandt street southerly 20 feet.	John H. Starin.	January 13, 1897, to January 13, 1907, with privilege of two renewals of ten years each.	1,200 1st term 1,320 2d term 1,453 3d term	{ By resolutions, December 14, 1893; March 22, 1894, and February 11, 1897.	1,200 00
Bulkhead extending from a point 140 feet south of Pier, new 14, southerly a distance of 78.17 feet.	John H. Starin.	November 1, 1894, to January 1, 1904, with privilege of renewal of ten years.	\$2,164.72 1st term, and \$2,181.20 for renewal term	{ By resolutions, June 26, 1894, and March 7, 1895.	2,164 72
Bulkhead extending from a point 75 feet south of Pier, new 14, southerly a distance of 65 feet.	International Navigation Company.	November 1, 1894, to January 1, 1904, with privilege of renewal of ten years.	\$1,800 1st term, and \$1,980 for renewal term	{ By resolutions, June 26, 1894, and December 6, 1894.	1,800 00
Washington Pier (new 14).	International Navigation Company.	January 1, 1894, to January 1, 1904, with privilege of renewal of ten years.	\$56,831.98 1st term, and \$62,515.18 for renewal term	{ By resolutions, January 28 and March 31, 1892, and May 10, 1894.	56,832 00
Bulkhead, from a point 75 feet south of Washington Pier to a point 87½ feet north of said pier.	International Navigation Company.	January 1, 1894, to January 1, 1904, with privilege of renewal of ten years.	\$4,500 1st term, and \$4,950 for renewal term	{ By resolution, February 16, 1893.	4,500 00
Pier, new 15, excepting space for bell-tower, and bulkhead southerly.	International Navigation Company.	May 1, 1895, to May 1, 1905, with privilege of renewal term of ten years.	\$95,000 1st term, and \$97,500 for renewal term	{ By resolutions, March 9, 1893, and November 22, 1894.	95,000 00

Space for bell-tower at outer end of Pier, new 15	Hoboken Ferry Company.....	At pleasure of the Board...	\$100 per ann.	By resolutions, July 12, 1892, and June 24, 1898.....	100 00
Use of reclaimed land near foot of Barclay street for car-tracks.....	Metropolitan Street Railway Company.....	At pleasure of the Board...	100 "	{ By resolutions, October 8 and 22, 1896, and June 24, 1898.....	100 00
Land under water for platform between Piers, old 20 and 27, 15,784 square feet.....	New York Central and Hudson River Railroad Company.....	August 1, 1896, at pleasure of the Board.....	3,946.00 "	{ By resolutions, May 10, 1896, and September 26, 1895, and September 16, 1898.....	3,946 00
Land under water for extension to Pier, new 17, 3,660 square feet.....	New York Central and Hudson River Railroad Company.....	From March 4, 1899, at pleasure of the Board.....	915.00 "	By resolution, March 10, 1899.....	899 14
Land under water for extension to Pier, new 18	Old Colony Steamboat Company.....	From January 4, 1898, at pleasure of the Board.....	873.75 "	By resolution, March 10, 1899.....	1,814 54
Bulkhead between Piers, new 18 and 19, 192 feet	Old Colony Steamboat Company.....	November 1, 1896, to November 1, 1906, with privilege of two renewals of ten years each.....	\$7,500 1st term 27,500 ad term 30,250 3d term	{ By resolutions, June 29, 1893, and July 30, August 6 and December 3, 1896.....	8,082 90
Pier, new 19.....	Old Colony Steamboat Company.....	December 1, 1891, to December 1, 1894, with privilege of renewal of ten years.....	27,500 1st term 30,250 ad term	{ By resolutions, November 3, 1892, and November 22, 1894.....	27,500 00
Land under water for ferry racks at northerly side of Pier, new 19, 5,603 square feet....	New York, Lake Erie and Western Railroad Company.....	February 5, 1891, at pleasure of the Board.....	4,000 per ann.	{ By resolutions, July 28 and August 18, 1892, and June 24, 1898.....	4,000 00
Piers, new 20 and new 21, and 560 feet bulkhead northerly from the north side of Pier, new 19.....	New York, Lake Erie and Western Railroad Company.....	August 1, 1891, to August 1, 1901, with privilege of renewal term of ten years.....	\$100,000 for present term; renewal at appraised rental.....	{ By resolutions, July 14, 1875, and August 12, 1881.....	100,000 00
Land under water for extension to Piers 20 and 21.	New York, Lake Erie and Western Railroad Company.....	To termination of lease of Piers 20 and 21.....	7,146.99 per ann.	By resolution, September 30, 1897.....	7,147 00
Bulkhead northerly of Pier, new 21, 82½ feet (with reservation for bath); foot of Chambers street.....	Charles Mulford.....	May 1, 1898, to May 1, 1900.....	2,000 "	{ By public sale, April 18, 1898, (By resolutions, June 24 and December 16, 1898.....	2,000 00
Pier, new 29, and bulkheads north and south of same.....	Metropolitan Street Railway Company.....	At pleasure of the Board.....	150 "	{ By resolutions, March 1 and May 11, 1893, and minutes, January 11, 1894.....	150 00
Pier, new 23, and bulkheads north and south of same.....	Baltimore and Ohio Railroad Company.....	January 1, 1894, to January 1, 1904, with privilege of renewal term of ten years.....	\$47,000 1st term; \$51,700 for renewal term.....	{ By resolutions, March 1 and May 11, 1893, and minutes, January 11, 1894.....	47,000 00
Bulkhead south of Pier, new 24, 80 feet.....	West Shore Railroad Company.....	October 1, 1891, to October 1, 1901, with privilege of three renewals of ten years each.....	\$42,000 1st term 45,000 ad term 50,000 3d term 52,000 4th term	{ By resolution, September 17, 1891.....	42,000 00
Pier, new 24.....	West Shore Railroad Company, subject to Homer Ramsdell Transportation Company and John G. Peene.....	May 1, 1896, to February 1, 1899.....	\$3,200 per ann.	{ By resolution, April 2, 1896.....	3,580 00
	Homer Ramsdell.....	February 1, 1899, to May 1, 1909.....	3,580 "	{ By resolutions, November 27, 1898, February 7, 1899, April 14, May 12 and September 29, 1892.....	29,286 80

PROPERTY.	LESSEE OR OCCUPANT.	TERM OF TENANCY.	RENT.	RIGHT OF TENANCY.	RECEIVED.
Bulkhead between Piers, new 24 and 25, North river.....	Consolidated Ice Company.	March 1, 1898, to March 1, 1901.	\$1,500 per ann.	By resolution, February 11, 1898.	\$1,875 00
Pier, new 25.....	Morgan's Louisiana and Texas Railroad and Steamship Company....	February 1, 1885, to February 1, 1899, with privilege of renewal term of ten years....	33,388.11 1st term 33,955.87 ad term	{ By resolutions, November 27, 1878; January 11, 1889, and October 23, 1890....	33,955 88
Bulkhead northerly of Pier, new 25, 32 feet.....	Southern Pacific Company....	May 1, 1894, to May 1, 1899	1,000 per ann.	By public sale, April 27, 1894.	250 00
Bulkhead from a point 125 feet south of Pier, new 26, northerly to the southerly side of Pier, new 27.....	Southern Pacific Company....	May 1, 1899, to February 1, 1901.	1,000 "	{ By resolution, November 4, 1893. By resolution, January 13, 1888.	750 00
Pier, new 26.....	Old Dominion Steamship Company.....	May 1, 1891, to May 1, 1901	10,100 "	By resolutions, August 14, 1878, and January 8, 1891.	10,100 00
Piers, new 27 and new 28, and bulkhead between, 145 feet.....	Old Dominion Steamship Company.....	May 1, 1891, to May 1, 1901	34,039.07 "	By resolution, May 25, 1882.	34,039 08
Bulkhead northerly of Pier, new 28, 71 feet.....	Pennsylvania Railroad Company.....	September 1, 1894, to September 1, 1901.	56,000 "	{ By resolutions, February 27, 1894, and April 27, 1894.	56,000 00
Bulkhead northerly from a point half way between Piers, new 28 and new 29, extending 20 feet northerly of Pier, new 29.....	Pennsylvania Railroad Company.....	March 1, 1891, to March 1, 1901, with privilege of renewal term of ten years.	5,000 "	By resolution, February 27, 1894.	5,000 00
Pier, new 29.....	Pennsylvania Railroad Company and others, assignees.....	March 1, 1891, to March 1, 1901, with privilege of renewal term of ten years.	7,000 1st term 7,700 ad term	{ By resolutions, November 27, 1878 (see minutes, January 15 and April 23, 1891). By resolutions, January 6 and August 7, 1899.	7,000 00
Extension to outer end of Pier, new 29, as a rack.....	Pennsylvania Railroad Company.....	At pleasure of the Board..	30,000 1st term 30,500 ad term	{ By resolutions, November 2, 1871, and October 17, 1895. By resolution, June 16, 1899.	30,000 00
Land under water for platform south of Pier, new 31, 6,550 square feet.....	New Jersey Railroad and Transportation Company and Hudson River Railroad Company.....	At pleasure of the Board..	2,216.55 per ann.	By resolution, July 5, 1899.	1,118 28
Bulkhead northerly of Pier, new 31, 93 feet.....	New York Central and Hudson River Railroad Company.....	July 1, 1899, to July 1, 1909, with privilege of renewal term of ten years....	1,639 per ann	By resolution, July 5, 1899.	1,639 00
Extension to outer end of Pier, old 41.....	New Jersey Steamboat Co., Brown & Fleming.....	Ten years from date: Rights are vested in City to July 1, 1909, with privilege of renewal term of ten years.	25,000 1st term 20,550 ad term	By resolution, July 5, 1899.	12,500 00
Dumping-board on southerly side of Pier, old 42.....	Hunt & Donaldson.....	As per agreement.....	3,000 1st term 3,150 ad term	By resolution, May 14, 1897.	.....
100 feet south side Pier, old 42.....	L. E. Muller.....	At pleasure of the Board..	1,000 per ann	By resolutions of May 10, 1895, and June 3, 1898.	1,000 00
100 feet north side inner end Pier, old 42, and 27 feet of bulkhead northerly.....	Pacific Mail Steamship Company, subject to Ocean Steamship Company of Savannah and Southern Pacific Company.....	At pleasure of the Board..	2,800 "	By resolutions, March 24 and 30, 1890.	2,800 08
Pier, new 31, and 75 feet bulkhead each side.....	L. E. Muller.....	At pleasure of the Board..	100 per mo.	{ By resolutions, December 2 and 9, 1898. By resolutions, April 2 and September 5, 1899; November 12, 1897; June 2, 1892, and January 23, 1895.	816 14
			1,350 per ann.		1,350 00
			60,422.04 1st term 63,172.94 ad term		61,797 96

Bulkhead south of Pier, new 35, 72 feet.....	Ocean Steamship Company of Savannah.....	May 1, 1898, to May 1, 1900.....	1,200 per ann.....	By public sale, April 18, 1898.	1,200 00
Pier, new 35.....	Ocean Steamship Company of Savannah, Ga.....	May 1, 1893, to May 1, 1903.....	40,600.04 "	{ By resolutions, June 6, 1883; May 28, 1891; June 22, 1893	40,690 04
Bulkhead north of Pier, new 35, 81 feet.....	Ocean Steamship Company of Savannah.....	May 1, 1898, to May 1, 1900.....	1,200 "	By public sale, April 18, 1898	1,200 00
Pier, new 36.....	Providence and Stonington Steamship Company.....	January 1, 1894, to June 1, 1901.....	34,910.60 "	By resolution, March 23, 1893	34,910 60
Bulkhead north and south of same.....	Providence and Stonington Steamship Company.....	To June 1, 1901.....	4,500 "	By resolution, March 21, 1893	4,500 00
Pier, new 37.....	Southern Pacific Company.....	May 1, 1893, to May 1, 1903, with privilege of renewal term of ten years.....	50,000 1st term 35,000 2d term	{ By resolution, February 16, 1893.....	50,000 00
Bulkhead north and south of Pier, new 37.....	Southern Pacific Company.....	May 1, 1893, to May 1, 1903, with privilege of renewal term of ten years.....	5,000 1st term 5,500 2d term	By resolution, February 16, 1893.....	5,000 00
Pier, new 38, and bulkhead north and south of same.....	Oceanic Steam Navigation Company.....	April 1, 1893, to April 1, 1903, with privilege of renewal term of ten years.....	44,250 1st term 48,675 2d term	By resolution, March 9, 1893	\$44,250 00
Site for shed on bulkheads adjoining Pier, new 38.....	Oceanic Steam Navigation Company.....	From date of completion to April 1, 1903, with privilege of renewal term of ten years.....	4,000 per ann.....	{ By resolution, February 13, 1895.....	4,000 00
Pier, new 39.....	National Steamship Company (Limited).....	May 1, 1891, to May 1, 1901, with privilege of renewal term of ten years.....	33,400 1st term 39,072 2d term	{ By resolution, April 23, 1891	33,400 00
Bulkhead north and south of Pier, new 39.....	National Steamship Company.....	December 1, 1898, to May 1, 1901.....	5,000 per ann.....	By resolution, November 25, 1898.....	5,000 00
Bulkhead south of Pier, new 40, North river, about 94 feet.....	Cunard Steamship Company (Limited), Atlantic Transport Line, assignees.....	May 1, 1898, to May 1, 1900.....	2,275 "	{ By public sale, April 18, 1898, and resolution, June 27, 1899.....	2,275 00
Pier, new 40, including water rights at north-early side of said pier.....	Cunard Steamship Company (Limited), Atlantic Transport Line, assignees.....	May 1, 1893, to May 1, 1903, with privilege of renewal of ten years.....	36,500 1st term 40,150 2d term	{ By resolutions, July 27 and November 2, 1895, and June 27, 1899.....	36,500 00
Bulkhead north of Pier, new 40, with privilege of shedding.....	Cunard Steamship Company (Limited), holding over.....	February 1, 1896, to February 1, 1898.....	3,250 per ann.....	{ By resolution, January 23, 1895.....	3,250 00
Pier, new 41.....	Dela ware, Lackawanna and Western Railroad Company, assignees.....	September 1, 1891, to September 1, 1901.....	30,500 "	{ Renewal lease (see minutes, September 10, 1891).....	30,500 00
Bulkhead about 94 feet each side of Pier, new 41.....	Dela ware, Lackawanna and Western Railroad Company.....	September 1, 1891, to September 1, 1901.....	5,300 "	Renewal lease.....	5,300 00
Bulkhead south of Pier, new 42, 94 feet.....	Richard J. Foster.....	May 1, 1898, to May 1, 1900.....	2,050 "	By public sale, April 18, 1898.	2,050 00
Reclaimed land south of Pier, new 42.....	Hudson Tunnel Railway Company.....	November 1, 1897, at pleasure of the Board.....	2,000 "	{ By resolutions, December 8, 1887, and July 25, 1895.....	1,000 00
Pier, new 42.....	Compagnie Generale Transatlantique.....	November 1, 1891, to November 1, 1901, with privilege of renewal of ten years.....	46,500 1st term 48,825 2d term	By resolution, December 23, 1890.....	46,500 00

PROPERTY.	LESSEE OR OCCUPANT.	TERM OF TENANCY.	RENT.	RIGHT OF TENANCY.	RECEIVED.
Two-thirds of Pier, new 43, except the north- erly side.....	Catskill and New York Steamboat Company.....	At pleasure of the Board.	\$6 666.66% per annum.....	By resolution, April 2, 1896..	\$6,666 68
One-third of Pier, new 43, except the north- erly side.....	Saugerties and New York Steamboat Company.....	At pleasure of the Board.	3,333-33% per annum.....	By resolution, February 17, 1899.....	2,682 67
Use of reclaimed land near foot of Christo- pher street for car-tracks.....	Metropolitan Street Rail- way Company.....	At pleasure of the Board..	100 per ann.	By resolutions, March 21, 1895; March 25, 1897, and June 24, 1898.....	100 00
Piers, new 44 and 45, including extensions and bulkhead between and one-half bulk- head north of Pier, new 45.....	Oceanic Steam Navigation Company.....	July 1, 1889, to July 1, 1899, with privilege of renewal of ten years..	61,993.76 1st term 66,148.95 2d term	By resolutions, February 14, 1885; August 1, 1890, and August 27, 1891.....	32,451 88
Piers, new 44 and 45, bulkhead between, and 78% feet of bulkhead northerly of Pier, new 45.....	Clyde Steamship Company, portion assigned to Le- high Valley Railroad Company.....	Ten years from July 1, 1899, with privilege of two renewals of ten years each.....	67,148.95 per ann., 1st term 70,506.40 2d term 74,031.72 3d term	By resolutions, June 2, 1899, and January 5, 1900.....	33,574 48
Bulkhead southerly of Pier, new 46, 78% feet..	Joseph Cornell.....	At pleasure of the Board..	600 per ann.	By resolutions, April 16, 1896, and June 24, 1898.....	600 00
Pier, new 46.....	Citizens' Steamboat Com- pany of Troy.....	May 1, 1889, to May 1, 1899, with privilege of renewal of ten years..	33,574.40 1st term 36,567.40 2d term 36,627.40 3d term	By resolutions, January 11, 1889, and October 9, 1890..	35,804 90
Pier, new 47, and bulkhead between Pier, new 46 and Pier, new 47.....	Quebec Steamship Company..	May 1, 1891, to May 1, 1901.	20,000 per ann.	By resolution, October 2, 1890	20,000 00
Bulkhead along easterly side of approach to Pier, new 46, and Pier, new 47, 37 1/2 feet from outer end.....	Quebec Steamship Company..	May 1, 1898, to May 1, 1900. Ten years from January 1, 1899, with privilege of two renewals of ten years each.....	1,200 " 84,375 1st term 88,593.75 2d term 93,909.38 3d term	By public sale, April 18, 1898. By resolutions, April 8, 1897; December 16, 1898, and January 6, 1899.....	987 47
Pier at or near the foot of West Eleventh street and 125 feet of bulkhead north and south of said pier.....	Oceanic Steam Navigation Company.....	Ten years from January 1, 1899, with privilege of two renewals of ten years each.....	84,375 1st term 88,593.75 2d term 93,909.38 3d term	By resolution, April 8, 1897; December 16, 1898, and January 6, 1899.....	84,375 00
Pier at or near the foot of Bank street and 125 feet of bulkhead north and south of said pier.....	Oceanic Steam Navigation Company.....	Ten years from May 1, 1899, with privilege of two renewals of ten years each.....	84,375 1st term 88,593.75 2d term 93,909.38 3d term	By resolutions, April 8, 1897; December 9, 1898, and April 14, 1899.....	84,375 00
Pier at or near the foot of Bethune street and 125 feet of bulkhead north and south of said pier.....	Frederick Leyland & Co. (Limited).....	Ten years from June 15, 1899, with privilege of two renewals of ten years each.....	84,375 1st term 88,593.75 2d term 93,909.38 3d term	By resolutions, April 8, 1897; December 9, 1898, and April 14, 1899.....	63,281 25
Pier foot of Jane street and 125 feet of bulk- head north and south of said pier.....	Cunard Steamship Com- pany.....	Ten years from June 15, 1899, with privilege of two renewals of ten years each.....	76,239.13 1st term 80,051.09 2d term 84,854.16 3d term	By resolutions, April 8, 1897, and May 12, 1899.....	47,649 46
Pier at or near the foot of Gansevoort street and 115 feet of bulkhead south of said pier.....	Cunard Steamship Com- pany.....	Ten years from June 15, 1899, with privilege of two renewals of ten years each.....	40,842.39 1st term 42,884.51 2d term 45,457.38 3d term	By resolutions, April 8, 1897, and May 12, 1899.....	25,526 49
Railroad tracks to piers between West Eleventh and Gansevoort streets.....	New York Central and Hudson River Railroad Company.....	At pleasure of the Board.	50 per ann. to each pier.	By resolutions, January 20 and 27, 1899.....	78 39
Berth for steamer north side of Pier, old 58%.	Requa & Duell.....	At pleasure of the Board..	1,000 per ann.	By resolution, February 25, 1898.....	1,000 08

Pier, old 59, North river.....	T. G. & W. R. Patten.....	At pleasure of the Board.....	3,000	"	By resolutions, February 18 and 25, 1898.....	3,000 00
Land under water for platform, between Fourteenth and Fifteenth streets, 1,046 square feet.....	Glascow Ice Company.....	At pleasure of the Board.....	261.50	"	{ By resolutions, January 9 and April 30, 1896.....	261 52
Pier at West Fifteenth street.....	Central Railroad Company of New Jersey.....	January 1, 1894, to January 1, 1904.....	11,000	"	{ By public sale, September 20, 1893.....	11,000 00
Land under water for transfer bridge at south-east half of block between Fifteenth and Sixteenth streets, about 6,500 square feet.....	Central Railroad Company of New Jersey.....	August 1, 1896, to August 1, 1906.....	1,500	"	By public sale, July 16, 1896..	1,500 00
Pier at West Sixteenth street.....	William J. McGirr.....	May 1, 1898, to May 1, 1900..	2,400	"	{ By public sale, April 14, 1897, and resolutions, May 4, 1897, and June 10, 1898.....	3,000 00
Pier at West Eighteenth street.....	Thomas Cunningham Company, assignees.....	May 1, 1897, to May 1, 1902..	3,390	"	{ By resolutions, October 3 and November 7, 1895.....	4,237 50
Land under water for platforms, between Nineteenth and Twentieth streets, 3,533 square feet.....	Knickerbocker Ice Company.....	At pleasure of the Board.....	883.25	"	{ By resolutions, April 22 and July 8, 1898.....	.....
Southerly side and outer end of pier at West Twentieth street.....	Knickerbocker Steamboat Company.....	Summer seasons 1898 and 1899.....	40 per day.		{ By resolutions, October 3 and November 7, 1895, and January 16, 1896.....	3,365 00
Land under water for platforms, between Twentieth and Twenty-first streets, 2,830 square feet.....	Knickerbocker Ice Company.....	At pleasure of the Board.....	797.50 per ann.			.....
Pier at West Twenty-first street.....	H. & A. Allan.....	February 1, 1892, to February 1, 1902, with privilege of renewal of ten years.....	25,000 per ann., 27,500 per ann. for renewal term.....			.....
Pier at West Twenty-second street.....	A. Van Santvoord.....	May 1, 1896, to May 1, 1902..	16,666.66 per ann.....		By resolution, May 28, 1891..	25,000 00
Land under water for platform and ferry racks, between West Twenty-second and West Twenty-third streets, 6,840 square feet.....	New York, Lake Erie and Western Railroad Company.....	March 18, 1887, at pleasure of the Board.....	1,711.50 per ann.		{ By resolution, January 2, 1896 1886, January 7, 1887, and June 24, 1898.....	16,666 64
Use of reclaimed land between Twenty-third and Twenty-fourth streets, in front of ferry premises, for car-tracks.....	Metropolitan Street Railway Company.....	At pleasure of the Board.....	180	"	By resolution, March 19, 1897..	1,711 50
Privilege to lay a pipe across marginal street, between Twenty-third and Twenty-fourth streets.....	American Air Power Company.....	At pleasure of the Board.....	200	"	By resolution, May 12, 1899..	180 00
Pier, new 54.....	Sanderson & Son, assignees, south side, sublet to Pennsylvania Railroad Company.....	January 1, 1892, to January 1, 1902.....	25,000	"	{ Renewal lease, resolution, June 4, 1891.....	150 00
Bulkhead between Piers, new 54 and 55, 225 feet. Pier, new 55.....	Union Ice Company.....	At pleasure of the Board.....	1,600	"	By resolution, April 28, 1899..	25,000 00
Bulkhead between Piers, new 55 and 56.....	Atlas Steamship Company (Limited).....	May 1, 1892, to May 1, 1902..	25,000	"	{ Renewal lease, minutes, March 3, 1892.....	1,600 00
Float bridge in front of northerly 102½ feet of bulkhead between Piers, new 55 and 56.....	I. T. Williams & Son, sublet to Baltimore and Ohio Railroad Company.....	July 1, 1894, to July 1, 1904, with privilege of renewal of ten years..	2,290 1st term 2,475 2d term		{ By resolutions, November 3, 1892, and March 11, 1897..	25,000 00
Railroad tracks on marginal street, between Piers, new 55 and 56.....	Baltimore and Ohio Railroad Company.....	At pleasure of the Board.....	2,518.25 per ann.		By resolution, October 14, 1897	2,290 00
	Baltimore and Ohio Railroad Company.....	At pleasure of the Board.....	50	"	{ By resolutions, March 4 and June 3, 1898.....	2,518 24
						50 00

PROPERTY.	LESSEE OR OCCUPANT.	TERM OF TENANCY.	RENT.	RIGHT OF TENANCY.	RECEIVED.
Pier, new 56.....	Simpson, Spence & Young, agents, south half, sublet to Baltimore and Ohio Railroad Company; north half sublet to Charles Hill & Son.....	July 1, 1892, to July 1, 1902..	\$30,000 per ann.	{ Renewal lease, minutes, March 24, 1892.....	\$30,000 00
Bulkhead between Piers, new 56 and 57.....	J. B. & J. M. Cornell.....	October 1, 1890, to October 1, 1900, with privilege of two renewals of ten years each.....	2,500 1st term 2,750 2d term 3,025 3d term	{ By resolution, May 20, 1890 (see minutes, August 27, 1891).....	2,500 00
Pier, new 57.....	Terminal Warehouse Company, sublet to Panama Railroad Company.....	February 15, 1891, to February 15, 1901, with privilege of renewal of ten years.....	25,000 1st term 27,500 2d term	{ By public sale, January 30, 1891, and resolution, November 7, 1895.....	25,000 00
Pier, new 58.....	John H. Starin, sublet to Delaware, Lackawanna and Western Railroad Company.....	May 1, 1892, to May 1, 1902, with privilege of renewal of ten years.....	12,500 1st term 13,750 2d term	{ By resolution, April 14, 1892, and November 9 and December 28, 1893.....	12,500 00
Use of reclaimed land south of Twenty-ninth street.....	Clarence L. Smith.....	At pleasure of the Board.....	1,500 per ann.	By resolution, April 23, 1897.....	1,250 00
Pier, new 59.....	Jefferson Hogan, sublet to the Occident Dock Company.....	November 1, 1894, to November 1, 1902, with privilege of renewal of ten years.....	12,500 1st term 13,750 2d term	{ By resolution, May 5, 1892 (see minutes, September 22, 1892, and February 16, 1893).....	12,500 00
Bulkhead between Piers, new 59 and 60.....	Stokes & Thedford.....	May 1, 1898, to May 1, 1900.....	2,200 per ann.	Public sale, April 18, 1898.....	2,200 00
Piers, new 61, 62 and 63; also bulkhead between Piers, new 60 and 63; also 55 feet of bulkhead northerly of Pier, new 63; including land under water in front of same.....	New York Central and Hudson River Railroad Company.....	May 1, 1891, to May 1, 1901, with privilege of renewal of ten years.....	56,000 1st term 61,100 2d term	{ By resolutions, January 28, 1887, and November 13 and 20, 1890.....	56,000 00
Pier at West Thirty-sixth street.....	New York Central and Hudson River Railroad Company.....	October 8, 1894, to October 8, 1904.....	20,000 per ann.	{ By resolutions, October 8, 1884, and July 3, 1894.....	20,000 00
Pier at West Thirty-seventh street.....	Pennsylvania Railroad Company.....	July 1, 1891, to July 1, 1901, with privilege of two renewals of ten years each.....	10,000 1st term 11,000 2d term 12,000 3d term	{ By resolution, January 30, 1891.....	10,000 00
Pier at West Thirty-eighth street.....	Pennsylvania Railroad Company.....	February 15, 1891, to February 15, 1901, with privilege of two renewals of ten years each.....	10,000 1st term 11,000 2d term 12,000 3d term	{ By resolution, January 30, 1891.....	10,000 00
Land under water for platform between Thirty-eighth and Thirty-ninth streets, 2,200 square feet.....	G. F. & E. C. Swift.....	At pleasure of the Board.....	572.50 per ann.	By resolution, October 3, 1895.....	.....
Land under water for platform southerly about 66 feet from West Fortieth street, 921 square feet.....	John R. McPherson.....	May 15, 1887, at pleasure of the Board.....	231 "	By resolution, February 4, 1887.....	231 00

Pier and temporary approach at West Fortieth street	Western Stock Yard Company: lease assigned to Union Stock Yard and Market Company of New York and Western Stock Yard and Market Association of New Jersey	May 1, 1897, to May 1, 1902.	8,000	"	{ By public sale, April 14, 1897, and resolution, May 20, 1897.	8,000 00
Bulkhead at West Forty-first street	Edwin M. Brown	May 1, 1897, to May 1, 1898, holding over	300	"	{ By public sale, April 14, 1897, and resolution April 28, 1899.	300 00
Dumping-board on bulkhead between West Forty-third and West Forty-fourth streets	Albert H. Hastorf	At pleasure of the Board.	1,800	"	{ By resolutions, January 6, 1899 and June 3, 1898.	1,763 42
Use of reclaimed land between Forty-third and Forty-fourth streets	Metropolitan Street Railway Company	At pleasure of the Board.	40 per mo.	"	{ By resolutions, May 27 and October 28, 1898, and August 14, 1899.	480 00
Pier at West Forty-fourth street	Atlantic Transportation Company	November 1, 1898, to No- vember 1, 1908.	7,500 per ann.	"	{ By resolutions, July 15 and August 28, 1898, and August 14, 1899.	4,078 77
Pier at West Forty-fifth street	New York Horse Manure Company	November 1, 1908, to No- vember 1, 1918.	8,250	"	{ By public sale, April 14, 1897, and resolution, February 11, 1898.	4,000 00
Pier at West Forty-sixth street	Consolidated Ice Company	May 1, 1897, to May 1, 1902. March 1, 1898, to March 1, 1908.	4,000	"	{ By resolution, February 11, 1898.	3,125 00
Pier foot of West Forty-eighth street	Pocharontas Coal Company	August 1, 1896, to May 1, 1903.	5,000	"	{ By public sale, April 18, 1898.	2,500 00
Pier and approach at West Forty-ninth street	New York, Lake Erie and Western Railroad Com- pany	November 1, 1891, to No- vember 1, 1911.	15,000	"	{ By resolutions, October 29, 1891.	10,010 00
Use of new-made land between Fiftieth and Fifty-second streets, west of Twelfth avenue	Naughton & Co.	At pleasure of the Board.	1,000	"	{ By resolutions, November 25, and December 16, 1898.	1,000 00
Use of new-made land in rear of bulkhead between Fifty-second and Fifty-third streets	Metropolitan Street Railway Company	At pleasure of the Board.	60 per mo.	"	{ By resolution January 27, 1899.	257 42
Use of new-made land between Fifty-third and Fifty-fourth streets, west of Twelfth avenue	John P. Kane Company	At pleasure of the Board.	1,000 per ann.	"	{ By resolutions, December 9, and 16, 1898.	892 47
Pier at West Fifty-fourth street and 230 feet of bulkhead southerly	Consolidated Canal and Lake Company	May 1, 1897, to May 1, 1907, with privilege of two renewals of ten years each.	3,500 1st term 3,800 2d term 4,235 3d term	"	{ By resolution, April 1, 1897.	3,500 00
Bulkhead between Fifty-fourth and Fifty-fifth streets	H. S. & A. H. Mott, assigned to Ruth A. Wallace, and Stephen Asphalt Paving Company	April 1, 1895, to April 1, 1905, with privilege of two renewals of ten years each.	2,750 1st term 3,035 2d term 3,400 3d term	"	{ By resolutions, September 18 and October 23, 1891, March 14, 1895, and April 7, 1898.	2,750 00
Dumping-board at south side, inner end of Pier at West Fifty-fifth street	Brown & Fleming	At pleasure of the Board.	1,250 per ann.	"	{ By resolutions, June 14, Sep- tember 5 and November 14, 1895, and June 3, 1893.	1,250 04
Use of new-made land in rear of bulkhead between Fifty-fifth and Fifty-sixth streets	Naughton & Co.	At pleasure of the Board.	1,000	"	{ By resolutions, August 8 and September 18, 1899. ....	.....
Pier at foot of West Fifty-eighth street, north- erly side, end and surface of same.	Union Stock Yard and Market Company	May 1, 1896, to May 1, 1901.	3,300	"	{ By public sale, April 14, 1896 and resolution, August 1, 1897, and June 24, 1898.	3,300 00
Beef and coal conveyors on bulkhead between Fifty-eighth and Fifty-ninth streets	Eastman's Company	At pleasure of the Board.	100 per annum for each conveyer.	"	{ By resolutions, August 1, 1897, and June 24, 1898.	200 00

PROPERTY.	LESSEE OR OCCUPANT.	TERM OF TENANCY.	RENT.	RIGHT OF TENANCY.	RECEIVED.
Land under water for site for Pier at West Fifty-ninth street, 26,700 square feet....	New York Central and Hudson River Railroad Company.....	November 1, 1892, to November, 1902.....	\$2,800 per ann.	By resolution, May 23, 1890.	\$2,800 00
Extension of railroad track along bulkhead between Fifty-ninth and Sixtieth streets.	Eastman's Company.....	At pleasure of the Board...	120 "	{ By resolutions, October 31, 1895, and June 24, 1898 ...	120 00
Southerly half of bulkhead at West Sixtieth street, 30 feet.....	New York Central and Hudson River Railroad Company.....	May 1, 1898, to May 1, 1900, August 1, 1894, to August 1, 1904.....	250 "	By public sale, April 18, 1893	250 00
Land under water between West Sixtieth and West Sixty-fifth streets for erection of two piers, 373,663 square feet.....	New York Central and Hudson River Railroad Company.....	August 1, 1904, to August 1, 1914.....	7,000 "	{ By resolution, April 23, 1884, and minutes, January 11, 1894.....	7,000 00
Land under water between south line of West Sixty-fifth and south line of West Seventy-second streets, westerly to established pier-line of 1868, 355,724 square feet.....	New York Central and Hudson River Railroad Company.....	August 1, 1914, to August 1, 1924.....	9,000 "		
Bulkhead at foot of West Ninety-sixth street.	New York Central and Hudson River Railroad Company.....	May 1, 1890, to May 1, 1900, May 1, 1900, to May 1, 1910.....	21,000 "	{ By resolution, April 28, 1880.	21,000 00
South half of bulkhead between Ninety-sixth and Ninety-seventh streets, and new-made land in rear of same.....	Weber & Bunke.....	At pleasure of the Board...	1,000 "	{ By resolutions, June 3 and 10, 1898.....	1,000 00
Bulkhead from centre of block between Ninety-sixth and Ninety-seventh streets to middle of Ninety-seventh street, and new-made land in rear of same, together with dumping-board.....	John P. Kane Company.....	At pleasure of the Board...	270.17 per mo.	{ By resolution, December 1, 1899.....	458 34
Land under water for pipes, etc., foot of West Ninety-seventh street.....	Theresa A. S. Sheridan.....	At pleasure of the Board...	1,860 per ann.	{ By resolution, December 1, 1899.....	465 00
Privilege to land at Pier at West One Hundred and Twenty-ninth street.....	National Transit Company.....	At pleasure of the Board...	150 "	{ By resolutions, May 20 and 27, 1898.....	150 00
Bulkhead between West One Hundred and Twenty-ninth and West One Hundred and Thirtieth streets.....	Central Hudson Steamboat Company.....	At pleasure of the Board...	75 per mo.	{ By resolutions, June 9, September 25, and October 6, 1899.....	435 00
Bulkhead between West One Hundred and Thirtieth streets.....	McDermott & Co.....	May 1, 1894, to May 1, 1899	625 per ann.	By public sale, April 27, 1894	156 25
Bulkhead between West One Hundred and Thirtieth streets.....	Consolidated Ice Company.....	At pleasure of the Board...	625 "	By resolution, April 28, 1899.	468 75
Use of upland between West One Hundred and Thirtieth streets.....	George Grosman.....	June 1, 1898, to May 1, 1900	1,100 "	By resolution, June 10, 1898.	1,100 00
To land at outer end of Pier at West One Hundred and Thirtieth street.....	Naughton & Co.....	At pleasure of the Board...	600 "	{ By resolutions, May 10 and July 25, 1899.....	261 78
Bulkhead between West One Hundred and Thirtieth streets.....	Homer Ramsdell Transportation Company.....	At pleasure of the Board...	70 per mo.	By resolution, May 20, 1898.	420 00
Bulkhead between West One Hundred and Thirtieth streets.....	William A. Wells.....	May 1, 1894, to May 1, 1899	300 per ann	{ By public sale, April 27, 1894, and resolution, April 28, 1899.....	300 00

Reclaimed lands between West One Hundred and Thirty-second and West One Hundred and Thirty-third streets.....	James Rogers.....	At pleasure of the Board...	1,000	By resolution, October 17, 1895	.....
Dumping-board on north half of Pier at West One Hundred and Thirty-third street.....	M. B. Martin.....	At pleasure of the Board...	900	By resolution, June 16, 1899...	450 00
Pier at West One Hundred and Thirty-fourth street.....	O'Brien, Sheehan & McBean.....	At pleasure of the Board...	800	{ By resolutions, April 14 and August 7, and 14, 1899.... }	373 43
Bulkhead at southerly half of West One Hundred and Thirty-fifth street.....	Farrell & Hopper.....	At pleasure of the Board...	200	{ By resolutions, May 20, 1897, June 24, 1898, and April 28, 1899.... }	200 04
Bulkhead from middle of West One Hundred and Thirty-fifth street to middle of block between West One Hundred and Thirty-sixth and West One Hundred and Thirty-seventh streets, about 410 feet.....	O'Brien, Sheehan & McBean.....	November 1, 1898, to November 1, 1903.....	1,500	By resolution, October 7, 1898.	1,500 00
Bulkhead at foot of West One Hundred and Forty-third street, with privilege to lay tracks across said street.....	New York Central and Hudson River Railroad Company.....	At pleasure of the Board...	100	{ By resolutions, January 9 and August 6, 1896.... }	100 00
Bath-houses, etc., foot of West One Hundred and Fifty-first street.....	Peter J. Moran.....	At pleasure of the Board...	40 per mo.	{ By resolutions, June 24 and July 1, 1898.... }	480 00
Land under water for bath-houses and floats at West One Hundred and Fifty-fifth street and southerly thereof.....	Philip F. Donohue.....	April, 1899, to April 1, 1909, with privilege of one renewal term.....	250 per ann. first term; 262 50 per ann. second term.	By resolution, March 24, 1899.	187 50
Berth for bath-houses south of Pier at West One Hundred and Fifty-eighth street.....	Jacob Solomon.....	At pleasure of the Board...	450 per ann.	{ By resolutions, May 20 and 27, 1898.... }	450 00
<i>East River.</i>					
Easterly half of Pier 4.....	New York Central and Hudson River Railroad Company.....	May 1, 1898, to May 1, 1900.	5,000	By public sale, April 18, 1898.	5,000 00
Bulkhead and platform between Piers 4 and 5...	New York Central and Hudson River Railroad Company.....	May 1, 1898, to May 1, 1900.	1,500	By public sale, April 18, 1898.	1,500 00
Pier 5.....	New York Central and Hudson River Railroad Company.....	May 1, 1898, to May 1, 1900.	18,750	By public sale, April 18, 1898.	18,750 00
Bulkhead between Piers 5 and 6.....	New York Central and Hudson River Railroad Company.....	May 1, 1898, to May 1, 1900.	1,500	By public sale, April 18, 1898.	1,500 00
Pier, old 6.....	New York Central and Hudson River Railroad Company.....	May 1, 1898, to May 1, 1900.	10,000	By public sale, April 18, 1898.	10,000 00
Bulkhead between Piers, new 6 and 7, 97 feet westerly half of Pier, new 7, as wided, and shed thereon.....	New York, Lake Erie and Western Railroad Company.....	At pleasure of the Board...	400	{ By resolutions, April 26, 1895, and June 24, 1898.... }	399 96
Land under water to widen Pier 20, 2000 square feet.....	New York, Lake Erie and Western Railroad Company.....	May 1, 1898, to May 1, 1908.	11,500	By resolution, March 4, 1898.	11,500 00
Land under water for platform between Pier 16 and Pier 17, 7,097 square feet.....	J. M. Ceballos.....	December 1, 1891, at pleasure of the Board.....	500	{ By resolution, May 14, 1891, and Minutes, December 17, 1891, and June 24, 1893.... }	500 00
Easterly half of Pier 18, with shed thereon.....	New York and Cuba Mail Steamship Company.....	At pleasure of the Board...	1,774.95	{ By resolutions, April 22, 1891, and May 20 and 27, 1898.... }	1,774 24
Southerly half of Pier 19.....	New York and Cuba Mail Steamship Company.....	At pleasure of the Board...	6,000	By resolution, December 16, 1898.....	6,000 00
	Robert M. Ferris, agent.....	At pleasure of the Board...	3,000	By resolution, February 10 and 17, 1899.....	3,000 00

PROPERTY.	LE-SEE OR OCCUPANT.	TERM OF TENANCY.	RENT.	RIGHT OF TENANCY.	RECEIVED.
Land under water for platform south of Pier 20, 660 square feet.....	New York and Texas Steamship Company.....	At pleasure of the Board...	\$200 per ann.	{ By resolutions, March 27, 1878, and May 27, 1898....	\$100 00
Easterly half of Pier 20, westerly half of Pier 21, with whole of surface of Pier 27, together with bulkhead between Piers 20 and 21, and platform in front of same.....	New York and Texas Steamship Company.....	May 1, 1896, to May 1, 1901	17,330 "	By public sale, April 14, 1895.	17,380 00
Land under water for platform between Piers 23 and 24.....	Fulton Market Fishmongers' Association.....	At pleasure of the Board...	387.25 "	{ By resolutions, December 5, 1895, and February 6, 1896, and June 24, 1898....	.....
East half of Pier 24 and half the bulkhead adjoining.....	Hartford and New York Transportation Company.....	May 1, 1896, to May 1, 1901	7,250 "	By public sale, April 14, 1896.	7,250 00
Pier 25 and 60 feet of bulkhead westerly, west half Pier 26 and bulkhead between Piers 25 and 26.....	New Haven Steamboat Company.....	May 1, 1896, to May 1, 1901	13,200 "	By public sale, April 14, 1896.	13,200 00
Land under water for extension to platform between Piers 26 and 27, 1,784 square feet.	Baltimore and Ohio Railroad Company.....	At pleasure of the Board...	446 "	{ By resolutions, March 25, April 15 and June 10, 1897.	446 00
Land under water for platforms easterly and westerly of Pier 27, 430 square feet.....	Baltimore and Ohio Railroad Company.....	November 1, 1886, at pleasure of the Board.....	1,075 "	{ By resolution, September 15, 1886.....	1,075 00
Land under water for platform between Piers 32 and 33, etc., 10,489 square feet.....	Long Island Railroad Company.....	At pleasure of the Board...	2,622.25 "	{ By resolutions, December 24, 1884, and September 5, 1895.	2,622 25
East half of Pier 33, west half of Pier 34 and bulkhead and platforms between.....	B. F. Clyde, sublet to Clyde Steamship Company.....	May 1, 1897, to May 1, 1907	9,000 "	{ By public sale, October 8, 1894, and resolution, April 4, 1895.....	9,000 00
Pier, new 27.....	Joy Steamship Company.....	December 15, 1899, to December 15, 1909.....	11,000 "	{ By resolutions, October 20, and December 1, 1899.....	1,072 60
Land under water for platform westerly side of Pier 36, about 2,520 square feet.....	Central Vermont Railroad Company.....	At pleasure of the Board...	630 "	{ By resolutions, May 20 and August 12, 1898.....	630 00
Land under water for widening east side and extension to Pier 36, 15,885 square feet.....	George H. Penniman.....	May 1, 1889, to May 1, 1899	3,000 "	By public sale, March 20, 1889	750 00
Land under water for widening and extending easterly side of Pier 36, 15,885 square feet.....	Central Vermont Railroad Company.....	At pleasure of the Board...	3,000 "	By resolution, January 27, 1899	2,250 00
Land under water for temporary platform adjoining westerly side of Pier 38, 1,594 square feet.....	Maine Steamship Company.....	August 1, 1888, at pleasure of the Board.....	398.50 "	{ By resolution, November 10, 1887, and May 27, 1898..	398 52
Pier, old 38 and half of bulkhead westerly, etc., Extension to Pier, old 38, 2,723 square feet.....	Maine Steamship Company.....	June 1, 1897, to June 1, 1907	13,000 "	By public sale, April 14, 1896.	13,000 00
Land under water for platform north of Pier 38, 3,046 square feet.....	Maine Steamship Company.....	At pleasure of the Board...	683.25 "	By resolutions, May 11, and August 6, 1896, and May 20, 1898.	653 28
Land under water for platform south of Pier 39, 2,350 square feet.....	Peter Charles.....	At pleasure of the Board...	762 "	{ By resolutions, November 22, 1894, and April 25, 1895.	752 00
Land under water for platform easterly of Pier 39, 1,808 square feet.....	Bridgeport Steamboat Company.....	At pleasure of the Board...	587.50 "	{ By resolutions, June 16, 1873, September 4, 1895, and May 27, 1898.	587 52
Land under water for platform westerly of Pier 40, 1,779 feet.....	Old Colony Steamboat Company.....	At pleasure of the Board...	452 "	{ By resolutions, March 7, 1895, and May 13, 1898.....	451 92
		At pleasure of the Board...	444.75 "	By resolution, August 30, 1894	444 76

Pier 40.....	Old Colony Steamboat Com- pany, New York, Dry Dock and Repair Company.....	From August 1, 1894, until removal for new pier.....	12,500 "	By resolution, August 2, 1894	12,500 00
Undivided ninth Pier, old 42	New York, New Haven and Hartford Railroad Com- pany, assignee.....	At pleasure of the Board, June 1, 1890, to June 1, 1900, with privilege of renewals of ten years each.....	250 "	By resolution, April 2, 1896..	125 00
Land under water for widening Pier, old 45, 2,850 square feet.....	New York, New Haven and Hartford Railroad Com- pany, assignee.....	June 1, 1890, to June 1, 1900, with privilege of two renewals of ten years each.....	714 1st term 742.56 2d term 771.12 3d term	By resolution, August 10, 1888, and minutes, March 9, 1893.....	714 00
Land under water for platform between Piers, old 43 and new 36, 6,441 square feet.....	New York, New Haven and Hartford Railroad Com- pany, assignee.....	December 31, 1898, to December 31, 1908.....	1,602.75 1st term 1,666.86 2d term 1,730.97 3d term	By resolution, August 10, 1888, and minutes, June 26, 1890, and March 9, 1893.....	1,602 76
Pier, new 36.....	New York, New Haven and Hartford Railroad Com- pany, assignee.....	At pleasure of the Board.....	17,000 per ann.	By resolution, November 9, 1888, and minutes, March 9, 1893; resolution, Decem- ber 16, 1898.....	17,000 00
Land under water for extension, Pier 49, 637 square feet.....	New York, New Haven and Hartford Railroad Com- pany.....	January 1, 1881, at pleas- ure of the Board.....	159 25 "	By resolution, May 12, 1892, and minutes, July 21, 1892.	159 24
Land under water for platform north of Pier 49, 4,220 square feet.....	New York, New Haven and Hartford Railroad Com- pany, assignee.....	At pleasure of the Board.....	1,055 "	By resolutions, November 22, 1880; July 21, 1886, and September 12, 1895.....	1,055 00
Land under water for platform at bulkhead south of Pier 50, 19,080 square feet.....	New York, New Haven and Hartford Railroad Com- pany.....	At pleasure of the Board.....	4,770 "	By resolution, May 26, 1880..	4,770 00
Land under water for platform between Piers 50 and 51, 10,725 square feet.....	New York, New Haven and Hartford Railroad Com- pany.....	At pleasure of the Board.....	2,681.25 "	By resolutions, May 7, 1874, and November 6, 1879.....	2,681 28
Easterly half of Pier 51, westerly half of Pier 52, and small pier and bulkhead between 52 and 51, 10,725 square feet.....	New York, New Haven and Hartford Railroad Com- pany.....	August 1, 1898, to May 1, 1908.....	14,000 "	By resolution, July 1, 1898..	14,000 00
Land under water for platform between Piers 51 and 52, including shed, 8,378 square feet.....	New York, New Haven and Hartford Railroad Com- pany.....	August 1, 1898, to May 1, 1908.....	2,194.50 "	By resolution, July 1, 1898..	2,194 10
Land under water for platform west of Pier, old 53, 7,450 square feet.....	Duryea Brothers.....	At pleasure of the Board.....	1,856.50 "	By resolutions, February 7 and April 25, 1895.....	1,856 52
Land under water for platform west side of Pier 53, 844 square feet.....	H. D. Mould.....	At pleasure of the Board.....	211 "	By resolutions, May 20 and 27, 1898.....	211 00
Easterly half of Pier 53	John W. Sullivan.....	May 1, 1897, to May 1, 1901.	200 "	By public sale, July 16, 1896..	200 00
Westerly half of Pier 51 and bulkhead between Piers 53 and 54.....	John W. Sullivan.....	August 1, 1896, to May 1, 1901	50 "	By public sale, July 16, 1896..	50 00
Bulkhead foot of Cherry street, 50 feet.....	Lawrence, Son & Gerrish.....	At pleasure of the Board.....	250 "	By resolutions, May 27 and June 3, 1898.....	250 00
Land under water occupied by Pier, between Piers, old 58 and 59.....	Shanley & Ryan.....	At pleasure of the Board.....	125 per mo.	{ Minutes, October 21, 1897; December 9, 1897, and June 10, 1898.....	1,625 00
Pier, old 60, with privilege for dumping-board and 200 feet of bulkhead northerly.....	John A. McCarthy.....	May 1, 1897, to May 1, 1900	1,800 per ann.	By public sale, April 14, 1897.	1,800 00
Use of new-made land between Piers 60 and 61.	Murtagh & McCarthy.....	At pleasure of the Board.....	300 "	By resolutions, September 17 and October 29, 1896.....	300 00
Northerly half and outer end of Pier, old 61.....	Eizel & Son.....	May 1, 1898, to May 1, 1900	1,203 "	By public sale, April 18, 1898.	1,200 00
South half of Pier 62 and bulkhead southerly, about 100 feet.....	James Shewan & Sons.....	May 1, 1898, to May 1, 1900	4,000 "	By public sale, April 18, 1893.	4,000 00

PROPERTY.	LESSEE OR OCCUPANT.	TERM OF TENANCY.	RENT.	RIGHT OF TENANCY.	RECEIVED.
One hundred and fifteen feet of the northerly side, inner end, of Pier 6, and 60 feet of bulkhead on Stanton street.....	H. A. Peck & Co.....	At pleasure of the Board...	\$1,500 per ann.	{ By resolutions, December 6, 1894, May 2, 1895, and June 24, 1898.....	\$1,625 00
One hundred and thirty feet (adjoining H. A. Peck & Co.) on the northerly side of Pier 6.....	John T. Welch.....	At pleasure of the Board...	1,500 "	{ By resolutions, December 6, 1894, May 3, 1895, and May 20 and 27, 1898.....	1,500 00
Northerly half of Pier foot of East Fourth street, together with bulkhead and return along north side of said street.....	James Shewan & Sons.....	May 1, 1899, to May 1, 1909	1,750 "	By resolution, April 7, 1899...	1,312 50
Ice bridge, etc., on Pier at Fifth street.....	Hazelwood Ice Company.....	At pleasure of the Board...	1,200 "	By resolutions, May 20 and 27, 1898.....	1,300 00
Pier at Ninth street, southerly half of Pier at Tenth street and bulkhead between.....	Estate of John Roach.....	At pleasure of the Board...	2,500 "	By resolution, May 27, 1898...	2,500 00
Northerly half of Pier at foot of Tenth street and southerly half of Pier at foot of Eleventh street.....	Estate of George Law.....	February 1, 1899, to February 1, 1908.....	2,000 "	By resolution, February 3, 1899	2,375 00
Bulkhead at East Fourteenth street, 100 feet.....	Murray & Co.....	July 1, 1898, to July 1, 1900.	525 "	By resolution, June 3, 1898...	525 00
Bulkhead at East Fifteenth street, 65 feet.....	Consolidated Gas Company.....	At pleasure of the Board...	300 "	By resolution April 28, 1899.	300 00
Pier at East Eighteenth street, with reservation for public bath.....	Carroll Box and Lumber Company.....	May 1, 1895, to May 1, 1900, with privilege of renewal of five years...	4,000 1st term Renewal at appraised rental	{ By resolutions, October 25, 1894, and September 18, 1899.....	3,314 32
Inner 300 feet southerly side of Pier at East Twentieth street.....	H. L. Herbert & Co.....	At pleasure of the Board...	\$31.25 per mo.	{ By resolution September 9, 1898.....	375 00
Bulkhead between East Twenty-fifth and East Twenty-sixth streets.....	Candee & Smith.....	November 1, 1894, to November 1, 1904, with privilege of renewal of ten years.....	4,500 1st term 5,000 2d term.	By resolution, October 27, 1892.....	4,500 00
Bulkhead at East Thirtieth street, 60 feet.....	William Hastorf.....	May 1, 1894, to May 1, 1899	250 per ann.	By public sale, April 27, 1894	69 50
Bulkhead at East Thirtieth street, 60 feet.....	William Hastorf.....	From May 1, 1899, at pleasure of the Board.....	250 "	By resolution, April 28, 1899...	187 50
Floating dumping-board foot of East Thirtieth street.....	William Hastorf.....	At pleasure of the Board...	500 "	By resolution, May 27, 1898...	500 04
Pier at foot of East Thirtieth street.....	Edwin M. Brown.....	At pleasure of the Board...	2,250 "	By resolution, March 3, 1899.	2,250 00
Pier at foot of East Thirtieth street.....	John H. Starrin.....	June 1, 1898, to May 1, 1900	1,800 "	By public sale, May 31, 1898.	1,800 00
Pier at foot of East Thirtieth street.....	Consolidated Ice Company.....	March 1, 1898, to March 1, 1908.....	1,800 "	{ By resolution, February 11, 1898.....	2,250 00
Pier at foot of East Thirtieth street.....	William Turner.....	At pleasure of the Board...	750 "	By resolution, October 14, 1898	750 00
Bulkhead foot of East Thirtieth street.....	John Gallagher.....	At pleasure of the Board...	300 "	By resolution, September 2, 1898.....	285 00
Pier foot of East Thirtieth street.....	Baltimore and Ohio Railroad Company.....	May 1, 1898, to May 1, 1900	2,000 "	By public sale, April 18, 1898	2,000 00
Bulkhead platform between East Thirtieth and East Thirtieth streets.....	J. Parker Dodd.....	May 1, 1898, to May 1, 1900	500 "	By public sale, April 18, 1898	625 00
Bulkhead foot of East Thirtieth street, 60 feet and return, about 145 feet, with privilege of maintaining dumping-board.....	Thomas Mumford.....	January 1, 1899, to January 1, 1904.....	1,000 "	{ By resolution, December 30, 1898.....	1,000 00

Bulkhead at foot of East Fortieth street, 60 feet	New Amsterdam Gas Company	May 1, 1898, to May 1, 1900	250	"	By public sale, April 18, 1898	250 00
Bulkhead at foot of East Forty-first street, 60 feet	New Amsterdam Gas Company	May 1, 1898, to May 1, 1900	250	"	By public sale, April 18, 1898	250 00
Bulkhead at East Forty-second street	John Gallagher	At pleasure of the Board	250	"	By resolution, July 23, 1890, and June 24, 1898	250 08
Bulkhead at foot of East Forty-third street, 60 feet	Lehigh Valley Railroad Company	May 1, 1898, to May 1, 1900	400	"	By public sale, April 18, 1898	400 00
Bulkhead at foot of East Forty-fourth street	Lehigh Valley Railroad Company	May 1, 1898, to May 1, 1900	800	"	By public sale, April 18, 1898	800 00
Bulkhead at foot of East Forty-fifth street	Schwarzschild & Sulzberger	May 1, 1898, to May 1, 1900	400	"	By public sale, April 18, 1898	400 00
Bulkhead at foot of East Forty-sixth street	Kaue & Wright	May 1, 1898, to May 1, 1900	1,500	"	By public sale, April 18, 1898	1,500 00
Bulkhead at East Forty-seventh street	Owens & Co	At pleasure of the Board	750	"	By resolution, August 22, 1898	1,898 83
Bulkhead at East Forty-eighth street	American Maltng Company	May 1, 1898, to May 1, 1900	475	"	By public sale, April 18, 1898	533 75
Land and land under water in front of south-crib half of block between East Fifty-fourth and East Fifty-fifth streets, 6,701 square feet	Consumers' Brewing Company	July 1, 1898, to July 1, 1903 (renewal term)	200	"	By resolution, August 26, 1898	200 00
Land under water in front of northerly half of block between East Fifty-fourth and East Fifty-fifth streets, 4,230 square feet	John Kress Brewing Company	July 1, 1898, to July 1, 1903 (renewal term)	200	"	By resolution, August 26, 1898	200 00
Land under water for coal-hoist north of East Fifty-fifth street	Curtis & Blaisdell	At pleasure of the Board	250	"	{ By resolutions, May 31, and July 8, 1898	250 00
Site for bulkhead between East Fifty-sixth and East Fifty-seventh streets	Schmidt and Schwanenflugel	At pleasure of the Board	100	"	By resolution, June 3, 1898	100 00
Land under water between East Fifty-ninth and East Sixtieth streets, about 11,548 square feet	New York Steam Company	{ August 1, 1896, to August 1, 1906, with privilege of two renewals of ten years each	1,000 per ann., 1st term.... 1,100 per ann., 2d term.... 1,210 per ann., 3d term....	"	By public sale, July 16, 1896	1,000 00
Filled-in land easterly of original high-water mark in front of southerly half of block between Sixty-second and Sixty-third streets, and platform in front of same	Farmers' Feed Company of New York and New Jersey	May 1, 1898, to May 1, 1900	600 per ann.	"	By public sale, April 18, 1898	600 00
Filled-in land in front of northerly half of block between East Sixty-second and East Sixty-third streets, and platform in front of same	Ehrenreich Brothers	May 1, 1898, to May 1, 1900	600	"	By public sale, April 18, 1898	600 00
Bulkhead at foot of East Sixty-third street, 65 feet	Neidlinger & Sons	May 1, 1898, to May 1, 1900	750	"	{ By public sale, April 18, 1898, By public sale, May 9, 1899, and minutes, February 23, 1893	750 00
Bulkhead between East Sixty-third and East Sixty-fourth streets	Adam Neidlinger, assignee	June 1, 1897, to June 1, 1902	700	"	{ By resolutions, May 30 and September 9, 1898	700 00
Grain elevator on bulkhead between East Sixty-third and East Sixty-fourth streets, 225 feet	Neidlinger & Sons	At pleasure of the Board	268.75	"	{ By resolutions, April 21 and July 25, 1899	335 94
Platform in front of bulkhead between East Sixty-eighth and East Sixty-ninth streets	Central Brewing Company	May 24, 1897, to May 24, 1909	150	"	{ By resolutions, December 23, 1898, and January 13, 1899	115 79
Dumping-board on bulkhead between East Seventy-first and East Seventy-second streets	John A. Bouker	At pleasure of the Board	600	"		550 00

PROPERTY.	LESSEE OR OCCUPANT.	TERM OF TENANCY.	RENT.	RIGHT OF TENANCY.	RECEIVED.
Land under water for bulkhead platform north- erly of East Seventy-fourth street	Henry Rothschild	At pleasure of the Board...	\$596 per ann.	By resolution, July 1, 1898...	\$596 00
Bulkhead platform, between East Seventy- eighth and East Seventy-ninth streets, about 100 feet, with ice-bridge privilege...	Consolidated Ice Company...	May 1, 1897, to May 1, 1900.	2,000 "	By public sale, April 14, 1897.	2,500 00
Bulkhead platform, etc., between East Seventy- ninth and East Eightieth streets.....	Nathaniel Wise.....	May 1, 1898, to May 1, 1900.	750 "	By public sale, April 18, 1898.	750 00
Land under water for platform between East Eighty-first and East Eighty-second streets, 1,350 square feet	L. Brinkman.....	At pleasure of the Board...	337 50	{ By resolutions, May 27 and July 1, 1898.....	337 56
Land under water, between East Eighty-first and East Eighty-second streets, lying between westerly side of platform and high-water mark, 900 square feet.....	D. Brinkman.....	At pleasure of the Board...	225 "	{ By resolution, October 14, 1898.....	243 75
Land under water, for platform near foot of East Eighty-third street	G. Kacbe.	At pleasure of the Board...	195 "	{ By resolutions, May 12 and July 25, 1899.....	97 50
Pier at East Ninety-first street, with reserva- tion for bath	Consolidated Ice Company- George Ehret and Jacob Ruppert.....	{ March 1, 1898, to March 1, 1908	1,500 "	{ By resolution, February 11, 1898.....	1,875 00
Bulkhead at East Ninety-third street, 75 feet...		{ August 1, 1899, to August 1, 1909.....	1,300 "	{ By resolutions, March 10 and July 31, 1899.....	650 00
Northerly side of Pier at East Ninety fourth street.....	Hencken & Co.....	May 1, 1893, to May 1, 1903	\$2,250 per ann. to May 1, 1898, and \$2,500 per ann. to May 1, 1903.....	By resolution, April 13, 1893.	2,500 00
Dumping-board between East Ninety-fourth and East Ninety-fifth streets.....	Albert H. Hastorf	May 1, 1898, to May 1, 1900	2,250 per ann.	By public sale, April 18, 1898	2,295 83
Extension to south end of dumping-board de- scribed above	Albert H. Hastorf	At pleasure of the Board...	50 "	{ By resolutions, February 10 and 17, 1899.....	
Use of new-made land in rear of bulkhead between East Ninety-sixth and East Ninety-seventh streets	John P. Kane Company	At pleasure of the Board...	25 per mo.	{ By resolutions, October 6 and December 1, 1899.....	50 00
Bulkhead between East Ninety-eighth and East Ninety-ninth streets	Consolidated Gas Company..	At pleasure of the Board...	500 per ann	By resolution, May 12, 1899..	1,000 00
<i>Harlem River.</i>					
Southerly side of Pier at foot of East One Hundredth street, with privilege of main- taining ice-bridge thereon	William M. Montgomery & Co.	At pleasure of the Board...	83 33 per mo.	{ By resolutions, July 23, 1897, and June 24, 1898.....	999 96
Bulkhead at foot of East One Hundred and Fourth street, with privilege of ice- bridge, about 100 feet	H. D. Mould	At pleasure of the Board...	1,000 per ann.	{ By resolutions, February 4 and May 27, 1898.....	1,000 00
Bulkhead at East One Hundred and Fifth street, 60 feet	Kane & Wright.....	May 1, 1898, to May 1, 1900	750 "	By public sale, April 18, 1898.	750 00

Use of new-made land in rear of bulkhead between East One Hundred and Seventh and East One Hundred and Eighth streets (south half of block).....	J. Reeber's Son	At pleasure of the Board...	25 per mo.	By resolution, June 2, 1899...	1 15 00
Floating dump at bulkhead between East One Hundred and Seventh and East One Hundred and Eighth streets	John Cloughen	At pleasure of the Board...	50 "	By resolution, October 13, 1899	75 58
Northerly side of Pier at foot of East One Hundred and Tenth street, with dumping-board privilege	Kane & Wright.....	May 1, 1898, to May 1, 1900 Lease canceled September 15, 1899.....	1,500 per ann.	{ By public sale, April 18, 1898, and resolutions, September 10 and October 6, 1899.....	1,375 00
Use of dumping-board on northerly side of Pier at East One Hundred and Tenth street	Albert H. Hastorf.....	At pleasure of the Board...	1,500 "	{ By resolutions, December 8 and 15, 1899	380 55
Pier at East One Hundred and Sixteenth street	Manhattan State Hospital...	April 5, 1897, to April 5, 1907, with one renewal term of ten years	\$3,500 per ann. 1st term, \$3,850 2d term	{ By resolutions, April 16, 1896, and April 8, 1897	3,500 00
Pier at East One Hundred and Nineteenth street, with privilege of maintaining ice-bridge	William M. Montgomery.....	May 1, 1897, to May 1, 1900	1,125 per ann.	By public sale, April 14, 1897	1,125 00
One hundred feet of bulkhead, north side of East One Hundred and Twenty-fifth street, and unpaved area in rear of same, about 10,000 square feet.....	Naughton & Co.....	At pleasure of the Board...	1,000 "	{ By resolutions, November 25 and December 9, 1898, and January 27, 1899.....	750 00
Land under water for timber basin in front of northerly half of block between East One Hundred and Twenty-fifth and East One Hundred and Twenty-sixth streets, 30,850 square feet	Yellow Pine Company	January 1, 1899, at pleasure of the Board.....	150 "	Minutes, October 20, 1892.....	150 00
Land under water for bridge pier at East One Hundred and Twenty-ninth street and Second avenue, 2,082 square feet.....	Suburban Rapid Transit Company	At pleasure of the Board...	500 "	{ By resolutions, April 4 and June 20, 1883, and June 24, 1898.....	500 00
Bulkhead at foot of One Hundred and Fifty-sixth street, Harlem river	George C. Murphy.....	June 1, 1898, to May 1, 1900	150 "	By public sale, May 31, 1898.	187 50
Bulkhead at foot of One Hundred and Fifty-seventh street, about 40 feet.....	Estate of William Lynch.....	May 1, 1897, to May 1, 1900	1,010 "	By public sale, April 14, 1897.	.....
Land under water north of West One Hundred and Fifty-ninth street, Harlem river, extending northerly about 500 feet from the estate of William Lynch and about 350 feet in width from the established bulkhead-line westerly 143,500 square feet.....	Manhattan Railway Com- pany	December 20, 1897, to De- cember 29, 1907, with privilege of one renewal of ten years	6,500 2d term 8,000 3d term	{ By resolutions, December 12, 1897, and November 18 and 24, 1897	6,500 00
			\$100 per ann. first 2 years; \$4,800 per ann. next eight years; \$5,200 per ann. second ann. term; \$5,800 per ann. third term		
Bulkhead at Sherman's creek, and shed at same.....	Consolidated Canal and Lake Company.....	June 1, 1897, to May 1, 1907, with two renewals of ten years each, can- celed from September 1, 1899.....		{ By resolutions, May 20, 1897, and September 2, 1897.....	1,225 00
Float and runway at Two Hundred and First street	Harry Bronson.....	At pleasure of the Board...	\$100 per ann.	By resolution, May 14, 1896...	76 65

PROPERTY.	LESSEE OR OCCUPANT.	TERM OF TENANCY.	RENT.	RIGHT OF TENANCY.	RECEIVED.
Land under water, between Two Hundred and Sixteenth and Two Hundred and Eighteenth streets, about 56,275 square feet.....	Third Avenue Railroad Company.....	November 1, 1896, to November 1, 1906, with two renewal terms of ten years each.....	\$2,250 per ann. 1st term; \$2,475 per ann. 2d term; \$2,722.50 per ann. 3d term.	By public sale, October 14, 1896.....	\$2,350 00
Bulkhead at One Hundred and Forty-ninth street.....	Wilson, Adams & Co.....	At pleasure of the Board.....	\$200 per ann. 1st term; \$500 per ann. 2d term; \$1,000 per ann. 3d term.	By resolution, October 1, 1896, and June 24, 1898.....	200 00
Land under water near One Hundred and Forty-sixth street, about 8,968 square feet.....	Church F. Gates & Co.....	August 1, 1896, to August 1, 1906, with one renewal term of ten years.....	\$25 per mo.	By public sale, July 16, 1896, and resolution, July 23, 1896.....	500 00
A portion of bulkhead at Lincoln avenue.....	William Blumenauer.....	At pleasure of the Board.....	20 per mo.	By resolution, July 23, 1896.....	325 00
Land under water covered by temporary pier foot of Tiffany street.....	John J. Dailey.....	At pleasure of the Board.....	150 per ann.	By resolution, April 29, 1898.....	240 00
Town Dock at Westchester.....	Watson H. Bowne.....	May 1, 1898, to May 1, 1900.....	150 per ann.	By public sale, April 18, 1898.....	150 00
Land under water on east side of Westchester creek, south of Main street causeway.....	John S. Bush.....	At pleasure of the Board.....	150 per ann.	By resolution, April 14, 1899.....	112 50
BROOKLYN.					
Use of frame buildings between Forty third and Forty-fourth streets.....	John A. Secor.....	At pleasure of the Board.....	35 per mo.	By resolutions, March 4 and 18, 1898.....	420 00
Wharf property occupied by ferry structure foot of Atlantic avenue.....	Union Ferry Company.....	Holding over.....	2,000 per ann.	.....	2,000 00
Pier No. 2, Wallabout basin, and half the bulkheads on each side.....	Pennsylvania Railroad Company.....	January 1, 1906, to January 1, 1916, with two renewals of ten years each.....	12,000 1st term; 13,200 2d term; 14,520 3d term	By resolution, November 18, 1898.....	.....
Pier No. 2, Wallabout basin (old Pier).....	Consolidated Ice Company.....	March 1, 1896, to March 1, 1908.....	2,500 per ann.	By resolution, February 11, 1898.....	3,125 00
Berth for landing steamers at Pier foot of South Fifth street.....	John H. Starin.....	At pleasure of the Board.....	1,200 for season.	By resolutions, May 12 and 19, 1899.....	1,200 00
Space for traming crib, Wallabout basin.....	John Gillies Co. (Inc.).....	At pleasure of the Board.....	300 per mo.	By resolution, September 20 and October 6, 1899.....	.....

LEASES of Ferry Franchises and Wharf Property used for Ferry Purposes.

LOCATION.	LESSEES.	TERM OF LEASE.	RENT.	RIGHT OF OCCUPANCY.	RECEIVED.
<i>North River.</i>					
Liberty street to Communipaw.....	Central Railroad Company	December 21, 1897, to	\$10,000 per ann.	{ By public sale, December 21,	\$10,000 00
Cortlandt street to Jersey City.....	of New Jersey.....	December 21, 1902.....	"	1897.....	
Barclay street to Hoboken.....	Associates of the Jersey Com- pany.....	May 1, 1898, to May 1, 1908	11,000	By public sale, June 27, 1898..	11,000 00
	Hoboken Ferry Company.....	March 1, 1895, to March 1, 1905.....	20,104.25	By public sale, March 22, 1895	20,104 24
			5 per cent. of gross receipts and not less than \$8,500..		
Chambers street to Jersey City.....	Erie Railroad Company.....	May 1, 1897, to May 1, 1902.....		By public sale, March 29, 1897	8,553 00
Jay street to Weehawken.....	New York Central and Hud- son River Railroad Com- pany.....	April 1, 1897, to April 1, 1902	\$3,500 per ann.	By public sale, March 29, 1897	3,500 00
Desbrosses street to Jersey City.....	Associates of the Jersey Com- pany.....	May 1, 1898, to May 1, 1908	7,200	By public sale, June 27, 1898..	7,200 00
Christopher street to Hoboken.....	Hoboken Ferry Company.....	March 1, 1895, to March 1, 1905.....	22,500	By public sale, March 22, 1895	22,500 00
South of West Thirteenth street to Jersey City.	Pennsylvania Railroad Com- pany.....	May 1, 1897, to May 1, 1900	2,501	By public sale, August 21, 1900	2,501 00
West Fourteenth street to Hoboken.....	Hoboken Ferry Company.....	March 1, 1895, to March 1, 1905.....	8,584	By public sale, March 22, 1895	8,584 00
West Twenty-third street to Jersey City.....	Erie Railroad Company.....	December 21, 1897, to De- cember 21, 1902.....	11,840 95	{ By public sale, December 21, 1897.....	11,840 92
			22,500 per ann. for wharf property and 5 per cent. of gross re- ceipts, New York side....		
West Twenty-third street to Jersey City.....	Pennsylvania Railroad Company.....	January 1, 1895, to Jan- uary 1, 1905.....		By public sale, September 11, 1895.....	25,233 90
West Forty-second street to Weehawken.....	New York Central and Hud- son River Railroad Com- pany.....	May 1, 1897, to May 1, 1902	11,000 per ann.	By public sale, March 29, 1897	11,000 00
West One Hundred and Thirtieth street to Fort Lee.....	Riverside and Fort Lee Ferry Company.....	June 1, 1895, to June 1, 1905.....	3,000	By public sale, May 27, 1895..	3,000 00

LOCATION.	LESSEES.	TERM OF LEASE.	RENT.	RIGHT OF OCCUPANCY.	RECEIVED.
<i>East River.</i>					
Whitehall street to Staten Island.....	New York Harbor and Staten Island Ferry Company.....	June 1, 1894, to June 1, 1904.....	\$21,500 per ann. for what property and 5% per cent. of gross receipts; not to be less than \$22,500.	By public sale, September 29, 1894.....	\$44,232 32
Whitehall street to Hamilton avenue, Brooklyn.	Union Ferry Company.....	September 8, 1893, to May 1, 1901.....	7½ per cent. of gross receipts.....	By public sale, October 26, 1893.....	59,624.03 from all ferries leased by Union Ferry Company.
Whitehall street to Atlantic avenue, Brooklyn.	Union Ferry Company.....	September 8, 1893, to May 1, 1901.....	7½ per cent. of gross receipts.....	By public sale, October 26, 1893.....	
Pier 2 to South Brooklyn.....	New York and South Brooklyn Ferry and Transportation Company.....	December 21, 1897, to December 21, 1902.....	5 per cent. of gross receipts and not less than \$7,000; what property \$1.....	By public sale, December 21, 1897.....	7,001 00
Wall street to Montague street, Brooklyn.....	Union Ferry Company.....	September 8, 1893, to May 1, 1901.....	7½ per cent. of gross receipts.....	By public sale, October 26, 1893.....	.....
Pine street to Long Island City.....	Long Island Railroad Company.....	December 21, 1897, to December 21, 1898, with privilege of four renewals.....	5 per cent. of gross receipts and not less than \$500.....	By public sale, December 21, 1897.....	537 73
Fulton street to Fulton street, Brooklyn.....	Union Ferry Company.....	September 8, 1893, to May 1, 1901.....	7½ per cent. of gross receipts.....	By public sale, October 26, 1893.....	.....
Roosevelt street to Broadway and South Eighth street, Brooklyn.....	Brooklyn Ferry Company of New York.....	May 1, 1898, to May 1, 1908.....	\$10,000 per ann.	By public sale, June 27, 1898.....	20,000 00
James slip to Long Island City.....	Long Island Railroad Company.....	May 1, 1898, to May 1, 1903.....	8,000 "	By public sale, August 23, 1898.....	8,000 00
Catherine street to Washington street, Brooklyn	Union Ferry Company.....	September 8, 1893, to May 1, 1901.....	7½ per cent. of gross receipts.....	By public sale, October 26, 1893.....	.....
Grand street to Grand street, Brooklyn.....	Brooklyn Ferry Company of New York.....	May 1, 1898, to May 1, 1908.....	\$5,000 per ann.	By public sale, June 27, 1898.....	5,000 00
Grand street to Broadway, Brooklyn.....	Brooklyn Ferry Company of New York.....	May 1, 1899, to May 1, 1899; Holding over.....	15,000 "	By public sale, April 18, 1899.....	15,000 00
East Houston street to Grand street, Brooklyn	Nassau Ferry Company.....	May 1, 1898, to May 1, 1908.....	9,500 "	By public sale, June 27, 1898.....	9,500 00
East Tenth street to Greenpoint.....	Brooklyn Ferry Company of New York.....	August 1, 1898, to May 1, 1908.....	5,500 "	By public sale, July 22, 1898.....	5,500 00

East Twenty-third street to Broadway, Brooklyn.....	Brooklyn Ferry Company of New York.....	May 1, 1894, to May 1, 1904	6,499.50 " pending con- struction of bulk head, wall, etc.....	{ By public sale, May 21, 1894, Resolution, April 28, 1899.	9,010 01
East Twenty-third street to Greenpoint.....	Brooklyn Ferry Company of New York.....	May 1, 1898, to May 1, 1908	16,750 per ann.	{ By public sale, May 31, 1898, Resolution, March 3 and April 28, 1899.....	19,677 91
East Thirty-fourth street to Long Island City..	Long Island Railroad Com- pany.....	May 1, 1898, to May 1, 1908	12,000 " 5 per cent. of gross re- ceipts, and not less than \$2,500; wharf property \$700	By public sale, August 23, 1898	12,000 00
East Ninety-second street to Astoria.....	New York and East River Ferry Company.....	May 1, 1894, to May 1, 1899	5 per cent. of gross re- ceipts, and not less than \$4,500; wharf property \$700	{ By public sale, January 21, 1895.....	2,400 00
East Ninety-second street to Astoria.....	New York and East River Ferry Company.....	May 1, 1899, to May 1, 1904	5 per cent. of gross re- ceipts, and not less than \$4,500; wharf property \$700	.....	4,517 41
East Ninety-ninth street to College Point.....	New York and College Point Ferry Company.....	December 2, 1897, to De- cember 21, 1902.....	\$2,500 per ann.	{ By public sale, December 21, 1897.....	2,500 00
Brooklyn to Jersey City.....	Pennsylvania Railroad Com- pany.....	November 19, 1877, to Janu- ary 1, 1879. Holding over	1,500 "	Lease, November 19, 1877....	1,500 00
Port Richmond, S. I., to Bergen Point, N. J.....	Port Richmond and Bergen Point Ferry Company...	August 1, 1897, to August 1, 1903.....	300 "	Lease, December 22, 1897....	300 00

PERMITS granted by the Board for which rental is collected.

LOCATION.	PRIVILEGE.	TO WHOM GRANTED.	RENT.	WHEN GRANTED.
<i>North River.</i>				
Battery Platform.....	Landing steamboat "Al Foster".....	Al Foster Steamboat Company.....	\$5 00 per day.....	Jan. 6, 1898
".....	Landing steamboat "Angler".....	".....	4 00 ".....	"
".....	Landing steamboat "Dolphin".....	Loewer Steamboat Company.....	5 00 ".....	May 12, 1899
".....	Landing steamboat "Defender".....	Norton Point Land Company.....	3 00 ".....	Apr. 20, "
".....	Landing steamboat "Elaine".....	Stegman & Halpin.....	3 00 ".....	May 26, "
".....	Landing steamboats "Grand Republic" and "General Slocum".....	Knickerbocker Steamboat Company.....	10 00 " each boat.....	Feb. 11, 1897
Pier, old 42.....	Berth for steamboats "Peekskill" and "Fannie Woodhall".....	George Morton.....	5 00 ".....	Jan. 27, 1899
".....	Berth for steamboat "Wyckoff".....	Mattawan Propeller Company.....	5 00 ".....	May 9, "
".....	Berth for steamboat "Holmdel".....	Citizens' Steamboat Company.....	5 00 ".....	Apr. 29, "
Bulkhead between new 42 and 43.....	Runway and float.....	A. Lynch.....	5 00 per month.....	May 19, "
Pier, new 43.....	Privileges on recreation structure.....	P. J. Casey.....	1 00 per week.....	Apr. 7, 1898
Bulkhead between new 52 and old 56½.....	Berth for oyster boat.....	Van Orden Bros.....	1 60 per day.....	" 7, 1899
".....	".....	L. S. Lake.....	1 80 ".....	" 7, "
".....	".....	William Simonson.....	1 60 ".....	" 7, "
".....	".....	Mathew Foster.....	1 80 ".....	" 7, "
".....	".....	Stringham Oyster Company.....	2 00 ".....	" 7, "
Bulkhead between old 56½ and old 58.....	".....	Still & Patterson.....	2 10 ".....	" 7, "
".....	".....	George Thompson.....	1 90 ".....	" 7, "
".....	".....	William Foster Company.....	2 40 ".....	" 7, "
".....	".....	A. F. Merrill.....	1 80 ".....	" 7, "
".....	".....	J. W. Boyle.....	2 20 ".....	" 7, "
".....	".....	Woglam & Co.....	2 80 ".....	" 7, "

"	"	J. & J. W. Ellsworth.....	2 40	"	"	" 7,
"	"	"	1 50	"	"	" 7,
"	"	J. I. Merrill.....	1 80	"	"	" 7,
"	"	R. F. Williams.....	1 80	"	"	" 7,
"	"	J. I. Housman.....	1 80	"	"	" 7,
"	"	J. I. Housman.....	1 90	"	"	" 7,
"	"	I. P. Mesereau.....	3 40	"	"	" 7,
"	"	A. Frazer.....	3 00	"	"	" 7,
"	"	Citizens' Steamboat Company.....	5 00	"	"	Dec. 2, 1893
Pier foot of Bloomfield street.....	Berth for "Magenta"	Joseph T. Hackett.....	30 00 per month.....	"	"	Apr. 22, "
Bulkhead between old 58 and 58½.....	Sand on bulkhead.....	Benjamin Griggs.....	5 00 per day.....	"	"	" 14, 1899
Pier, old 58½.....	Berth for "William V. Wilson"	Stokes & Thedford.....	10 00 per month.....	"	"	June 3, 1898
Newly-made land between West Twenty-ninth and West Thirtieth streets.....	To pile coal dust.....	M. C. Dexter.....	4 00 per day.....	"	"	Aug. 21, 1899
Pier at West Thirty-fifth street.....	Berth for bath.....	Joseph May.....	22 00 per month.....	"	"	Oct. 7, 1898
"	Berth for float.....	M. Gall.....	1 00 per week.....	"	"	May 19, 1899
Pier at West Fiftieth street.....	Refreshment privileges.....	John Donnelly.....	2 00 per day.....	"	"	July 3, 1895
Bulkhead between West Fifty-second and West Fifty-third streets.....	Berth for scow.....	Sicilian Asphalt Company.....	25 00 per annum.....	"	"	May 27, 1898
Bulkhead between West Fifty-fourth and West Fifty-fifth streets.....	Platform scales.....	Postal Telegraph Company.....	5 00 per month.....	"	"	" 19, 1899
Pier at West Seventy-ninth street.....	Cable box.....	Thomas Ward.....	30 00	"	"	" 27, 1898
Bulkhead between West Seventy-ninth and West Eightieth streets.....	Hoisting machine.....	Garrett May.....	5 00	"	"	Sept. 18, 1899
Pier at West One Hundred and Twenty-ninth street.....	Float.....	A. Watt.....	4 00 per day.....	"	"	Dec. 22, "
Pier at West One Hundred and Twenty-ninth street.....	Berth for yacht "America"	Hy. Schumacker.....	1 00 per week.....	"	"	May 12, "
Pier at West One Hundred and Twenty-ninth street.....	Refreshment privilege.....	Peter Conroy.....	2 00 per month, June to December; 90 cents per month, January to May.....	"	"	" 20, 1898
Pier at West One Hundred and Thirty-eighth street.....	Gangway and float.....	Mary Claffey.....	60 00 per annum.....	"	"	July 1, "
Pier at West One Hundred and Forty-eighth street.....	Bath-house.....	Frederick Schafer.....	175 00	"	"	May 19, 1899
Bulkhead between West One Hundred and Fifty-second and West One Hundred and Fifty-third streets.....	"					

LOCATION.	PRIVILEGE.	TO WHOM GRANTED.	RENT.	WHEN GRANTED.
Pier at West One Hundred and Fifty-fifth street.	Boat-house.	Drew & Stever.	\$2 00 per month.	Apr. 1, 1898
Pier at West One Hundred and Fifty-fifth street.	"	W. A. Skinkle.	2 00 "	May 19, 1899
Pier at West One Hundred and Fifty-fifth street.	"	W. P. Delmour.	2 00 "	" 19, "
Bulkhead between West One Hundred and Fifty-fifth and West One Hundred and Fifty-eighth streets.	"	Waverly Boat Club.	6 00 "	" 27, 1898
Pier at West One Hundred and Fifty-eighth street.	Float.	F. T. Volk.	1 00 "	Apr. 21, 1899
Foot of West One Hundred and Sixty-second street.	"	Hillside Boat Club.	1 00 "	June 10, 1898
Foot of West One Hundred and Sixty-second street.	Bath-houses, etc.	James Veitch.	12 50 "	May 27, "
Foot of West One Hundred and Sixty-third street.	"	E. Kennan.	12 50 "	" 27, "
Foot of West One Hundred and Sixty-third street.	Boat-house.	A. Marshall.	8 00 "	" 19, 1899
Foot of West One Hundred and Sixty-eighth street.	"	J. Wagner.	5 00 "	" 19, "
<i>East River.</i>				
Pier, new 32.	Berth, tally-house and freight shed.	North and East River Steam-boat Company.	5 00 per day.	June 3, 1898
"	Berth for "Mary E. Gordon".	Charles W. Davis.	5 00 "	Apr. 28, 1899
"	Berth for "Huntington".	Ira B. Young.	5 00 "	Jan. 13, "
Pier at East Third street.	Refreshment privileges.	J. J. Stringer.	1 00 per week.	Apr. 7, 1898
Pier at East Fifth street.	Swimming bath.	H. L. Emerson.	5 00 per day.	Mar. 10, 1899
Pier at East Twenty-fourth street.	Refreshment privileges.	Denis Cray.	1 00 per week.	Apr. 7, 1898
Pier at East Twenty-ninth street.	Bath-house.	James Monahan.	5 00 per day.	June 3, "
Bulkhead between Thirty-seventh and Thirty-eighth streets.	Shed on newly made land.	Cornelius Gallagher.	150 00 per annum.	Feb. 21, 1895
Bulkhead foot of East Forty-fifth street.	Buildings on bulkhead.	Schwarzschild & Sulzberger.	10 00 per month.	May 27, 1898
Bulkhead foot of East Fiftieth street.	Dumping-board.	Brown & Fleming.	50 per day.	Feb. 21, 1891
Bulkhead foot of East Fifty-second street.	Engine on bulkhead.	H. L. Herbert.	5 00 per month.	Dec. 8, 1899
Bulkhead foot of East Fifty-fifth street.	Platform.	Curtis & Blaisdell.	12 50 "	" 23, 1898

Bulkhead between Sixty-fourth and Sixty-sixth streets.....	Floating baths.....	August Braun.....	25 00 for season.....	July 25, 1899
Foot East Ninety-first street.....	Berth for float.....	Hell Gate Life Saving Corps.....	5 00 for privilege.....	Oct. 28, 1897
<i>Harlem River.</i>				
Bulkhead between One Hundred and Second and One Hundred and Third streets.....	Float.....	Andrew Enkemier.....	10 00 per month.....	May 20, 1898
Bulkhead between One Hundred and Seventh and One Hundred and Tenth streets.....	Use of newly-made land.....	New York and Maine Granite Company.....	25 00 ".....	Mar. 10, 1899
Bulkhead between One Hundred and Seventh and One Hundred and Tenth streets.....	Float.....	George Fryrie.....	10 00 ".....	May 12, "
Marginal street, between One Hundred and Ninth and One Hundred and Tenth streets.....	Car-tracks.....	Forty-se and Street, Manhattanville and St. Nicholas Avenue Railroad Company.....	4 17 ".....	Aug. 2 and Nov. 21, 1894.
Pier foot of One Hundred and Twelfth street.....	Refreshment privileges.....	John Thomas.....	1 00 per week.....	Aug. 30, 1898
Bulkhead foot of One Hundred and Fifteenth street.....	Runway and float.....	Henry Miller.....	10 00 per month.....	Apr. 21, 1899
Bulkhead foot of One Hundred and Twentieth street.....	Boat-house and float.....	L. S. Lake.....	20 00 ".....	Nov. 3 and 17, 1899.
Bulkhead foot of One Hundred and Twentieth street.....	Use of newly-made land.....	New York and Maine Granite Company.....	25 00 ".....	Mar. 10, 1899
Lexington avenue and One Hundred and Thirty-second street.....	Berth for tow-boats.....	George M. Connell.....	35 00 ".....	May 27, 1898
Lexington avenue and One Hundred and Thirty-second street.....	Boat-house.....	W. Oliver.....	10 00 ".....	Jan. 28, 1892
Lexington avenue and One Hundred and Thirty-second street.....	".....	Bohemian Boat Club.....	10 00 ".....	July 8, 1898
Lexington avenue and One Hundred and Thirty-second street.....	".....	Metropolitan Boat Club.....	5 00 ".....	June 22, "
Lexington avenue and One Hundred and Thirty-second street.....	".....	Nassau Boat Club.....	5 00 ".....	May 11, 1892
Lexington avenue and One Hundred and Thirty-second street.....	".....	Union Boat Club.....	5 00 ".....	July 15, 1898
Bulkhead foot of Lenox avenue.....	".....	Nonpareil Boat Club.....	5 00 ".....	June 10, "
Bulkhead foot of One Hundred and Forty-eighth street.....	".....	Jacob Kohlman.....	100 00 per annum.....	May 27, "
Bulkhead foot of One Hundred and Forty-eighth street.....	Coal-boiler.....	M. D. Williamson.....	142 50 ".....	July 1, "
Bulkhead foot of One Hundred and Fifty-first street.....	Boat-house.....	M. Murray.....	5 00 per month.....	Jan. 13, 1899
Bulkhead foot of One Hundred and Fifty-third street.....	".....	Lone Star Boat Club.....	5 00 ".....	June 3, 1898
Bulkhead foot of One Hundred and Fifty-third street.....	".....	James Moss.....	5 00 per month, May to October.....	May 1898
Bulkhead foot of One Hundred and Fifty-fourth street.....	".....	Friendship Boat Club.....	2 50 per month, November to April.....	Nov. 5, 1896
Bulkhead foot of One Hundred and Fifty-ninth street.....	".....	Dauntless Boat Club.....	8 00 per month.....	Dec. 29, 1899
			5 00 ".....	Mar. 25, 1897

LOCATION.	PRIVILEGE.	TO WHOM GRANTED.	RENT.	WHEN GRANTED.
<i>The Bronx.</i>				
Pier at High Bridge.....	Use and occupy	Joseph Morgan	\$50 00 per annum.....	May 19, 1899
One Hundred and Thirty-eighth street, } Long Island Sound.....	Float.....	John Barth.....	1 00 per month.....	" 27, 1898
Bungay street.....	Boat-house.....	M. Deitsch.....	5 00 "	Sept. 22, 1892
Unionport.....	Use of dock.....	N. Y. Sand and Gravel Co.....	25 00 per annum.....	June 10, 1898
New road, Throgg's Neck.....	Boat-house.....	Fred. Lohbauer	5 00 per month.....	Apr. 14, 1899
Willow avenue.....	Use of premises for boating.....	Fred. Horn	75 00 per annum.....	Mar. 24, "
Main street, City Island.....	Boat-house	Mary C. Burke.....	1 00 per month.....	Oct. 6, "
Pelham Bay.	Float.....	Charles F. Ehler.....	1 00 "	Mar. 24, "
"	Platform and float.....	Fred. Siebel.....	1 00 "	" 24, "
"	Float.....	Elijah P. Miller.....	1 00 "	Feb. 11, 1897
Baychester.....	Float and bridge.....	Ferdinand Grass.....	12 00 per annum	Apr. 29, 1898
<i>Brooklyn.</i>				
Twelfth street, Coney Island creek.....	Float.....	Parker Lawless.....	1 00 per month.....	July 1, 1898
Forty-third street.....	Boat-house.....	Excelsior Yacht Club.....	12 00 per annum.	Mar. 11, "
Joralemon street.....	Home for Sailors.....	Capt. H. L. Meeker.....	1 00 "	Apr. 28, 1899
Wallabout canal.....	Berth.....	Philip Neville.....	1 00 per day.....	May 26, "
"	Ice bridge.....	August Grill.....	2 00 "	Mar. 25, 1893
"	Ice platform	John T. Welsh	2 50 "	Apr. 22, "
<i>Queens.</i>				
Whitestone Landing	Boat-house	Frank Booren.....	25 00 per annum.....	Oct. 14, 1898
Twenty-second street, College Point.....	"	Frank Holut.....	25 00 "	Mar. 30, 1899

APPORTIONMENT
OF
AUDITED DISBURSEMENTS

FOR THE YEAR ENDING DECEMBER 31, 1899.

Showing in Detail the Cost of Construction and Repair
Work, and General Expenses Incident to Same, for Each
Borough ; also Expenditures for Acquisition
of Wharf Property, Administrative
Purposes, etc.

WORK OF CONSTRUCTION—BOROUGH OF MANHATTAN.

	EXPENDITURES, 1899.	TOTAL EXPENDITURES TO DATE.
<i>Battery Section.</i>		
Permanent breakwater—Plans, etc.....	\$70 68	\$70 68
Building on Pier "A"—Plans for extending inshore.....	239 72	239 72
Pier, new 1, North river—Plans for extending to pierhead-line of 1897, by resolution of September 2, 1898.....	149 12	820 00
<i>Dry Street Section Extended.</i>		
From a point 94 feet south of Pier, new 13, North river, southerly, a length of 20 feet, by resolution June 20, 1895. Length completed, 20 feet—		
Bulkhead-wall proper.....		\$7,648 35
General charges.....	207 85	2,507 18
<i>Beach Street Section.</i>		
Pier, new 26, North river—Extension to pierhead-line of 1897, by resolution of June 9, 1899.....	26,461 31	\$26,461 31
<i>Laight Street Section.</i>		
Pier, new 29, North river—Extension as a rack, by resolution of January 6, 1899..	22,110 66	\$22,115 51
<i>Watts Street Section.</i>		
From the south line of Watts street, extended to the bulkhead-line of 1871, to the north line of Watts street, extended, a length of 65 feet, by resolution of June 17, 1898. Length completed, 65 feet—		
Bulkhead-wall proper.....	14,367 44	\$25,582 41
General charges.....	2,157 93	7,692 30
Preparing for and building Pier, new 31, North river, including dredging site of and half slips adjoining, and rip-rapping at outer end.....	41,813 49	62,825 14
<i>Watts Street Section Extended.</i>		
From the north line of Watts street, extended to bulkhead-line of 1871, northerly, a length of 125 feet, by resolution of February 3, 1899. Length completed, 125 feet—		
Bulkhead-wall proper.....	38,341 95	\$38,341 95
General charges.....	3,532 63	3,532 63
<i>Canal Street Section Extended.</i>		
From the south end of the "Canal Street Section," to the north side of Pier, old 41, North river, a length of 145.62 feet, by resolution of December 10, 1891. Length completed, 145.62 feet—		
Bulkhead-wall proper.....	2,178 53	\$33,996 09
General charges.....	250 04	41,530 71
<i>Christopher Street Section.</i>		
Pier, new 45, North river—Extension to pierhead-line of 1897, by resolution of June 2, 1899.....	25,236 56	\$25,236 56

	EXPENDITURES, 1899.	TOTAL EXPENDITURES TO DATE.
<i>Gansevoort Section.</i>		
From north side of Pier, new 46, North river, near foot of Charles street to and including Gansevoort street, a length of about 2,133 feet, by resolutions of October 15, 1896 and June 17, 1897. Length completed, 1,755.04 feet—		
Bulkhead-wall proper.....	\$109,065 18	\$487,093 47
General charges.....	75,246 75	491,281 96
Paving the new marginal street.....	85,531 85	87,270 04
Preparing for and building Pier at foot of West Eleventh street, including dredging site of and half slips adjoining.....	4 00	141,994 90
Preparing for and building Pier near foot of Bank street, including dredging site of and half slips adjoining.....	2 00	173,335 43
Preparing for and building Pier near foot of Bethune street, including dredging site of and half slips adjoining.....	.....	170,732 93
Preparing for and building Pier at foot of Jane street, including dredging site of and half slips adjoining.....	.....	162,246 50
Preparing for and building Pier near foot of Gansevoort street, including dredging site of and half slips adjoining.....	883 92	110,034 57
Wharf property and bulkhead rights purchased.....	.....	5,028,349 72
		<hr/> \$6,852,339 52
<i>Temporary Oyster Basin.</i>		
(Resolution August 26, 1898.)		
Pier, old 56½, North river, temporary extension at north side.....	15,321 25	\$16,996 54
Pier, old 57, North river, removal of.....	1,817 74	3,827 83
New pier at Bloomfield street, temporary extension at south side.....	4,918 66	4,918 66
Vertical sheathing around inside of basin.....	1,549 10	1,549 10
		<hr/> \$27,292 13
<i>Section Between Gansevoort and West Twenty-third Streets.</i>		
Plans for improving.....	.....	\$193 26
Preparing for and building Pier near foot of Bloomfield street, including dredging site of and half slips adjoining, and removing the old pier, by resolution of August 16, 1898.....	23,981 97	38,999 01
Removing the old Pier at foot of West Seventeenth street, and preparing for building a new pier, by resolution of October 6, 1890.....	4,067 77	4,067 77
		<hr/> \$43,260 04
<i>West Twenty-third Street Section—South End.</i>		
From the north line of West Twenty-third street extended, to a point about 150 feet north of the north line of West Twenty-seventh street extended, a length of 1,238.20 feet, by resolutions of November 5, 1880, and April 8, 1897. Length completed, 1,229.64 feet—		
Bulkhead-wall proper.....	460 28	.....
<i>West Thirty-third Street Section.</i>		
From the north side of West Thirty-third street extended, to a point 98.75 feet north, by resolutions of February 20, 1890, and April 8, 1897. Length completed, 98.75 feet—		
Bulkhead-wall proper.....	20 56	\$34,619 04
General charges.....	.....	7,125 63
Paving the new marginal street.....	632 40	632 40

	EXPENDITURES, 1899.	TOTAL EXPENDITURES TO DATE.
<i>West Thirty-fourth Street Section.</i>		
From the north end of the West Thirty-third Street Section, to the north side of West Thirty-fourth street, a length of 198.75 feet, by resolution of March 11, 1897. Length completed, 194 feet—		
Bulkhead-wall proper	\$414 54	\$48,225 31
General charges.....	1,721 04	21,725 62
Paving the new marginal street.....	5,585 88	5,585 88
Preparing for and building Pier at foot of West Thirty-fourth street, including dredging site of and half slips adjoining, by resolution of February 11, 1898.....	15,236 94	94,880 36
Plans for construction of shed on the pier.....	695 62	695 62
<i>Pier at West Thirty-ninth Street, North River.</i>		
Preparing for and building pier and approach, including dredging site of and half slips adjoining.....	27,830 78	\$27,830 78
<i>West Forty-second Street Section.</i>		
From the south side of West Forty-second to the south side of West Forty-third street, a length of 302.83 feet, by resolution of June 27, 1899—		
Bulkhead-wall proper.....	14,208 91	\$14,208 91
General charges.....	2,107 40	2,107 40
<i>West Forty-third Street Section Extended.</i>		
From the north end of the West Forty-second Street Section to the north side of West Forty-third street, a length of 60 feet, by resolution of September 2, 1898—		
Bulkhead-wall proper.....	6,127 98	\$6,127 98
General charges.....	1,468 03	1,468 03
Preparing for and building Pier at foot of West Forty-third street, including dredging site of and half slips adjoining, and removing the old pier.....	3,896 85	3,896 85
<i>West Forty-third Street Section.</i>		
From the north end of the West Forty-third Street Section Extended to the north side of West Forty-fourth street, a length of 260.83 feet, by resolution of September 3, 1891. Length completed, 230.87 feet.		
Bulkhead-wall proper.....	1,325 29	\$73,163 71
General charges		15,080 68
<i>West Fifty-second Street Section.</i>		
From a point 83 feet and 10 inches south of the south side of West Fiftieth street to the north side of West Fifty-fifth street, a length of 1,447.96 feet, by resolutions of October 6, 1887, February 6, 1889, and June 20, 1895. Length completed 1,447.96 feet.		
Bulkhead-wall proper, south end—404.66 feet completed.....		\$106,351 07
Bulkhead-wall proper, north end—1,043.30 feet completed.....		327,422 47
General charges.....		53,530 18
Paving the new marginal street.....	2,116 92	

	EXPENDITURES, 1899.	TOTAL EXPENDITURES TO DATE.
<i>Water-front between West One Hundred and Twenty-ninth and West One Hundred and Thirty-fifth Streets, N. R.</i>		
Plans for improving.....	\$601 86	\$601 86
Preparing for and extending pier at West One Hundred and Twenty-ninth street ..	45 89	56,637 33
Plans for new pier foot of West One Hundred and Thirty-first street.....	57 62	57 62
Preparing for and extending Pier at West One Hundred and Thirty-second street..	.....	31,672 43
Plans for extending Pier at West One Hundred and Thirty-third street .....	.....	456 17
<i>Crib-bulkhead, West One Hundred and Thirty-fifth to West One Hundred and Thirty-seventh Street, N. R.</i>		
Preparing for and building crib, including dredging site of and reclaiming land } rear of.....	136 77	\$29,680 42
<i>Broad Street Section.</i>		
From the lower side of Pier, old 4, East river, to the upper side of Pier, new 7, East river, a length of about 722 feet, by resolution of December 27, 1899.		
Bulkhead-wall proper.....	262 03	\$262 03
General charges	125 94	125 94
Plans for construction of Pier, new 4, East river.....	241 87	241 87
Plans for construction of Pier, new 5, East river.....	241 89	241 89
<i>Catharine Street Section.</i>		
From the east side of Catharine street extended, to the lower end of Market Street Section, a length of 177 feet, by resolution February 24, 1899. Length completed 108 feet.		
Bulkhead-wall proper.....	33,050 54	\$33,050 54
General charges	5,272 72	5,603 65
Preparing for and building Pier, new 27, East river, including dredging site } of and half slips adjoining, and removing the old pier.....	40,628 98	44,679 54
<i>Market Street Section.</i>		
From the upper end of Catharine Street Section to the lower end of Rutgers Section, a length of 800.91 feet.		
Bulkhead-wall proper.....	140 95	\$140 95
General charges.....	.....	70 15
Preparing for construction of Pier, new 31, East river.....	155 26	155 26
<i>Rutgers Section.</i>		
From the upper end of Market Street Section to the lower end of Jefferson Section, a length of 867.52 feet, by resolution of February 3, 1899, and Engineer's Order No. 21109. Length completed 146 feet.		
Bulkhead wall proper.....	87,160 23	\$87,160 23
General charges.....	6,291 03	6,333 72
Preparing for and building Pier, new 32, East river, including dredging site of } and half slips adjoining, removing the old pier and rip-rapping outer end }	8,322 33	8,322 33
Preparing for and building Pier, new 33, East river, including dredging site of } and half slips adjoining, removing the old pier, and rip-rapping outer end }	21,995 85	21,995 85
Preparing for and building Pier, new 34, East River, including dredging site of } and half slips adjoining, removing the old pier, and rip-rapping outer end }	56,436 08	56,493 58

	EXPENDITURES, 1899.	TOTAL EXPENDITURES TO DATE.
<i>Jefferson Section.</i>		
From upper end of the Rutgers Section to the lower side of Montgomery street, a length of about 1,235 feet.		
Bulkhead-wall proper.....	\$82 46	\$82 46
Extension of Pier, old 48, East river, to pierhead-line of 1890, by resolution of December 16, 1898.....	14,232 80	14,290 54
<i>East Twenty-third Street Section.</i>		
From the lower side of East Seventeenth street to the south end of the East Twenty-fourth Street Section, a length of 2,454.86 feet, by resolution of January 27, 1899. Length completed, 136 feet.		
Bulkhead-wall proper.....	108,485 74	\$108,485 72
General charges.....	12,453 23	12,689 88
Preparing for and building pier and approach at foot of East Eighteenth street, by resolution of January 29, 1891.....		62,940 35
Preparing for and building pier and approach at foot of East Twentieth street, by resolution of February 11, 1898.....	15,630 26	60,223 36
Plans for pier at foot of East Twenty-first street.....	194 29	194 29
Preparing for and building pier at foot of East Twenty-second street, by resolution of July 10, 1899.....	25,038 46	25,058 46
<i>Pier at East Thirty-sixth Street, E. R.</i>		
Preparing for and building pier, by resolution of October 20, 1899.....	5,745 89	\$5,745 89
<i>Crib bulkhead, East Eightieth to East Eighty-first Street, E. R.</i>		
Preparing for and building crib, including dredging site of.....	4,223 10	\$4,223 10
<i>Water-front vicinity of East Eighty-ninth Street, E. R.</i>		
Examination of, for future improvement.....	322 88	\$322 88
<i>East Ninety-first Street Section.</i>		
From the lower side of East Ninety-first street to the upper side of East Ninety-second street, a length of 376 feet, by resolutions of May 25, 1893, and June 20, 1895. Length completed 260.54 feet.		
Bulkhead-wall proper.....		\$76,618 42
General charges.....	163 61	19,918 09
<i>East Ninety-ninth Street Section.</i>		
From the lower side of East Ninety-ninth street to the upper side of East One Hundredth street, a length of 361 feet, by resolutions of September 1, 1897, and June 20, 1895. Length completed 352 feet.		
Bulkhead-wall proper.....	23,330 67	\$94,751 20
General charges.....	5,093 09	22,733 51
<i>East One Hundred and Tenth Street Section.</i>		
From lower side of East One Hundred and Seventh street to upper side of East One Hundred and Tenth street, a length of 856 feet, by resolutions of April 25, 1889, and June 18, 1891. Length completed, 750.85 feet.		
Bulkhead-wall proper.....		\$172,945 15
General charges.....		27,034 30
Paving the new marginal street.....	1,274 69	

	EXPENDI- TURES, 1899.	TOTAL EX- PENDITURES TO DATE.
<i>Piers set apart for recreation purposes in accordance with section 837 of "The Greater New York Charter."</i>		
For Recreation Building on Pier, new 43, North river, at foot of Barrow street.....		\$88,212 78
For Recreation Building on Pier at West Thirty-fifth street, North river.....		3,489 69
For Recreation Building on Pier at West Fiftieth street, North river.....	131,367 56	135,418 34
For Recreation Building on Pier at West Fifty-second street, North river.....		3,865 56
For Recreation Building on Pier at West One Hundred and Twenty-ninth street, North river.....	71,058 53	73,310 77
For Recreation Building on Pier at East Third street, East river. (Iron awning shed—Removed for larger structure)		4,065 71
For Recreation Building on Pier at East Third street, East river.....		84,231 41
For Recreation Building on Pier at East Twenty-fourth street, East river.....	847 00	154,512 58
For Recreation Building on Pier at East Thirty-third street, East river. (Specifications for)		138 75
For Recreation Building on Pier at East One Hundred and Twelfth street, Harlem river.....		49,883 75
Total.....	\$1,264,426 60	\$597,129 34

WORK OF CONSTRUCTION—BOROUGH OF THE BRONX.

	EXPENDI- TURES, 1899.	TOTAL EX- PENDITURES TO DATE.
For survey of water-front of the Borough.....	\$5,247 06	\$38,076 88
For plans for platform foot of Railroad avenue, Harlem river.....	105 16	105 16
For pier at Fordham road, Harlem river.....	701 15	911 11
For examination of water front at Classon's Point, East river, for proposed pier....		69 69
For examination of water-front on westerly shore of Eastchester Bay, foot of Willow lane, for proposed pier.....		88 00
<i>Piers, Bulkheads, Slips and Berths designated and set apart for use of City Departments in accordance with sections 834, 836 and 838 of "The Greater New York Charter."</i>		
For crib-bulkhead at Riker's Island.....	1 66	184,410 89
For pier and extension of same at Riker's Island.		6,488 79
Total.....	\$6,055 03	.....

WORK OF CONSTRUCTION—BOROUGH OF BROOKLYN.

	EXPENDITURES, 1899.	TOTAL EXPENDITURES TO DATE.
For survey of the water-front of the Borough—Resolution January 8, 1898.	\$8,625 56	\$33,811 50
Wallabout Basin—Bulkhead-wall proper.....	36,969 81	114,086 16
Wallabout Basin—Reclaimed land rear of the wall	1,241 87	1,241 87
Wallabout Basin—Paving reclaimed land.....	68 72	68 72
Wallabout Basin—Preparing for and building Piers 1 and 2, with appurtenances, } including dredging, etc., etc..... }	79,066 67	79,066 67
Wallabout Basin—Preparing for and building Piers 3 and 4	649 10	649 10
<i>Piers set apart for recreation purposes in accordance with section 837 of "The Greater New York Charter."</i>		
For Recreation Building on Pier at North Second street, East river	11,052 81	12,820 56
Total.....	\$137,674 54	\$241,744 58

WORK OF CONSTRUCTION—BOROUGH OF QUEENS.

	EXPENDITURES, 1899.	TOTAL EXPENDITURES TO DATE.
For survey of water-front of the Borough—Resolution January 8, 1898.	\$7,731 43	\$17,871 48

WORK OF CONSTRUCTION—BOROUGH OF RICHMOND.

	EXPENDITURES, 1899.	TOTAL EXPENDITURES TO DATE.
For survey of water-front of the Borough—Resolution January 8, 1898.....	\$7,790 22	\$10,399 81

WORK OF REPAIR AND MAINTENANCE—BOROUGH OF MANHATTAN.

Marginal street, North river—Repairing pavement		\$20,329 26
Marginal street, North river—Asphalting pavement		190,217 63
Platform at Battery wall, near Barge Office.....		1,984 56
Boat landing east of Pier "A".		183 30
Pier, new 1, North river, near foot of Battery place.....		3,995 49
Platform between Piers, new 1, and old 1, North river.....		936 09
Pier, new 14, North river, foot Fulton street		4,701 09
Pier, new 15, North river, between Vesey and Barclay streets.		2,606 01

Bulkhead between Piers, new 21 and new 22, North river.....	\$168 64
Temporary pier at Canal street, North river.....	1,183 76
Bulkhead between temporary pier at Canal street and pier, new 34, North river....	274 60
Pier, new 34, North river, foot of Canal street.....	144 85
Pier, new 39, North river, foot of West Houston street.....	5,850 25
Bulkhead between piers, new 39 and new 40, North river.....	149 92
Pier, new 40, North river, foot of Clarkson street.....	5,018 57
Bulkhead between piers, new 41 and new 42, North river.....	24 25
Pier, new 42, North river, foot of Morton street.....	7,860 51
Bulkhead between Piers, new 42 and new 43, North river.....	149 10
Pier, new 43, North river, foot of Barrow street.....	1,128 31
Bulkhead-wall between Piers, new 44 and new 45, North river.....	216 32
Approach to Piers, new 46 and new 47, North river.....	402 53
Pier, old 56½, North river, north of Gansevoort street.....	773 33
Temporary Oyster Basin—Repairing bulkhead.....	1,871 60
Pier, old 58½, North river, between Bloomfield and Little West Twelfth streets....	77 26
Bulkhead between Piers, old 58½ and old 59, North river.....	51 00
Pier, old 59, North river, foot of Little West Twelfth street.....	232 28
Pier, foot of West Thirteenth street, North river.....	1,308 51
Pier, foot of West Sixteenth street, North river.....	1,376 84
Pier, foot of West Seventeenth street, North river.....	2,507 16
Pier, foot of West Eighteenth street, North river.....	3,556 14
Pier, foot of West Nineteenth street, North river.....	4,326 08
Pier, foot of West Twentieth street, North river.....	3,432 66
Pier, foot of West Twenty-first street, North river.....	5,622 91
Pier, new 54, North river, near foot of West Twenty-fourth street.....	58 32
Pier, new 55, North river, north of West Twenty-fifth street.....	255 20
Pier, new 57, North river, north of West Twenty-seventh street.....	7,857 14
Pier, new 58, North river, north of West Twenty-eighth street.....	3,178 48
Pier, new 59, North river, north of West Twenty-ninth street.....	5,248 34
Pier, new 60, North river, foot of West Thirtieth street.....	3,572 25
Pier, new 61, North river, foot of West Thirty-first street.....	206 06
Bulkhead between Piers, new 61 and new 62, North river.....	9 40
Pier, new 62, North river, foot of West Thirty-second street.....	171 68
Bulkhead between Piers, new 62 and new 63, North river.....	9 40
Pier, new 63, North river, foot of West Thirty-third street.....	171 68
Boat landing, south side of West Thirty-fourth street, North river.....	378 16
Pier, foot of West Thirty-eighth street, North river.....	13 68
Pier, foot of West Fortieth street, North river.....	2,857 73
Bulkhead between West Forty-second and West Forty-third streets, North river....	1,280 76

Pier and approach, foot of West Forty-fourth street, North river.....	\$6,719 84
Pier, foot of West Forty-fifth street, North river.....	2,609 76
Pier and approach, foot of West Forty-seventh street, North river.....	1,303 38
Pier and approach, foot of West Forty-eighth street, North river.....	4,434 16
Pier and approach, foot of West Forty-ninth street, North river.....	3,295 02
Pier, foot of West Fiftieth street, North river.....	1,318 09
Pier, foot of West Fifty-first street, North river.....	2,459 75
Pier, foot of West Fifty-second street, North river.....	525 94
Pier, foot of West Fifty-third street, North river.....	87 98
Pier, foot of West Fifty-fourth street, North river.....	3,730 46
Pier, foot of West Fifty-fifth street, North river.....	2,270 27
Bulkhead between West Fifty-fifth and West Fifty-sixth streets, North river.....	616 84
Pier, foot of West Fifty-sixth street, North river.....	4,617 83
Bulkhead between West Fifty-sixth and West Fifty-seventh streets, North river.....	7 36
Pier, foot of West Fifty-seventh street, North river.....	7 36
Bulkhead between West Fifty-seventh and West Fifty-eighth streets, North river.....	7 36
Pier, foot of West Fifty-eighth street, North river.....	7 36
Bulkhead, West Seventy-fifth to West Seventy-ninth street, North river.....	9,956 85
Pier, foot West Seventy-ninth street, North river.....	316 82
Bulkhead, West Seventy-ninth to West Eighty-first street, North river.....	8,830 74
Bulkhead, West Ninety-sixth to West Ninety-ninth street, North river.....	492 97
Pier, foot of West One Hundred and Twenty-ninth street, North river.....	587 13
Bulkhead between West One Hundred and Twenty-ninth and West One Hundred } and Thirtieth street, North river.....	297 32
Pier, foot of West One Hundred and Thirty-first street, North river.....	1,410 14
Bulkhead between West One Hundred and Thirty-first and West One Hundred } and Thirty-second streets, North river.....	264 92
Pier, foot of West One Hundred and Thirty-second street, North river.....	1,119 35
Bulkhead between West One Hundred and Thirty-second and West One Hundred } and Thirty-third streets, North river.....	247 33
Pier, foot West One Hundred and Thirty-third street, North river.....	956 96
Pier, foot West One Hundred and Thirty-fourth street, North river.....	39 90
Pier, foot West One Hundred and Fifty-second street, North river.....	339 67
Pier, foot West One Hundred and Fifty-eighth street, North river.....	2,043 26
Marginal street, East river—Repairing pavement.....	31 70
Pier, old 4, East river, near foot of Broad street.....	38 32
Pier, new 6, East river, at upper side of Coenties slip.....	3,629 88
Pier, old 12, East river, lower half, near foot of Gouverneur lane.....	188 79
Pier, old 18, East river, upper half, near foot of Maiden lane.....	1,121 70
Pier, old 20, East river, lower side of Burling slip.....	633 02
Pier, old 21, East river, upper side of Burling slip.....	743 64
Pier, old 33, East river, foot of Oliver street.....	208 24
Pier, old 34, East river, near foot of Catharine slip.....	137 62

Pier, new 29, East river, lower side of Market street.....	\$4,211 22
Pier, new 32, East river, upper side of Pike street.....	88 14
Bulkhead between Piers, old 41 and old 42, East river	45 23
Pier, old 42, East river, between Pike and Rutgers streets.....	470 04
Pier, old 44, East river, upper side of Rutgers street.....	102 67
Pier, old 48, East river, foot of Clinton street.....	224 67
Bulkhead, foot of Corlears street, East river.....	45 32
Pier, old 55, East river, near foot of Grand street.....	308 40
Pier, old 61, East river, between Rivington and Stanton streets...	93 07
Pier, foot Stanton street, East river.....	82 86
Pier, foot East Third street, East river.....	672 51
Pier foot East Fourth street, East river.....	3,189 74
Bulkhead, upper side extended, of East Fourth street, East river.....	1,728 16
Bulkhead, 10 feet in length, adjoining lower side of Pier at Fifth street.....	58 54
Pier, foot Fifth street, East river.....	685 25
Pier, foot Seventh street, East river.....	29 80
Pier, foot Eighth street, East river.....	44 50
Pier, foot East Eleventh street, East river	15,361 48
Bulkhead, foot East Fourteenth street, East river.....	142 67
Bulkhead, foot East Sixteenth street, East river.....	21 00
Pier, foot East Eighteenth street, East river.	13 89
Pier, foot East Twenty-fourth street, East river	2,076 20
Pier foot East Twenty-eighth street, East river.....	2,639 29
Pier foot East Twenty-ninth street, East river	1,038 78
Pier foot East Thirty-first street, East river.....	648 13
Pier foot East Thirty-eighth street, East river.....	145 49
Bulkhead between East Thirty-eighth and East Thirty-ninth streets, East river.....	84 18
Bulkhead foot East Fifty-fourth street, East river	105 00
Pier foot East Sixtieth street, East river	418 25
Platform between East Sixtieth and East Sixty-first streets, East river.....	285 94
Pier foot East Sixty-first street, East river.....	617 33
Platform between East Sixty-first and East Sixty-second streets, East river.....	543 80
Pier foot East Sixty-second street, East river.....	3,374 19
Bulkhead foot East Sixty-fourth street, East river.....	1,777 79
Platform foot East Seventy-fifth street, East river.....	82 56
Bulkhead foot East Seventy-sixth street, East river.....	372 21
Bulkhead foot East Seventy-eighth street, East river.....	29 53
Pier foot East Seventy-ninth street, East river.....	1,150 11
Lower pier foot East Eighty-sixth street, East river.....	782 60
Upper pier foot East Eighty-sixth street, East river.....	869 51

Bulkhead foot East Ninetieth street, East river.....	\$63 00
Bulkhead foot East Ninety-third street, East river	1,242 35
Pier foot East Ninety-fourth street, East river.....	198 34
Bulkhead between East Ninety-fourth and East Ninety-fifth streets, East river.....	166 19
Pier foot East Ninety-fifth street, East river	175 62
Pier foot East Ninety-sixth street, East river	790 57
Marginal street, Harlem river, repairing pavement.....	44 55
Pier foot East One Hundredth street, Harlem river.....	8 13
Bulkhead foot East One Hundred and Fifth street, Harlem river.....	105 97
Bulkhead foot East One Hundred and Seventh street, Harlem river.....	24 87
Bulkhead between East One Hundred and Seventh and East One Hundred and Eighth streets, Harlem river.....	395 16
Bulkhead foot East One Hundred and Eighth street, Harlem river.....	167 52
Bulkhead between East One Hundred and Eighth and East One Hundred and Ninth streets, Harlem river.....	373 76
Bulkhead foot East One Hundred and Ninth street, Harlem river.....	117 73
Bulkhead between East One Hundred and Ninth and East One Hundred and Tenth streets.....	455 86
Pier foot East One Hundred and Tenth street, Harlem river.....	773 43
Pier foot East One Hundred and Sixteenth street, Harlem river.....	77 76
Pier and approach foot East One Hundred and Seventeenth street, Harlem river..	2,505 45
Platform foot of East One Hundred and Twentieth street, Harlem river.....	13 39
Bulkhead foot East One Hundred and Twenty-fifth street, Harlem river.....	676 02
Bulkhead foot East One Hundred and Thirty-sixth street, Harlem river.....	366 84
Bulkhead between East One Hundred and Thirty-seventh and East One Hundred and Thirty-eighth streets, Harlem river.....	495 44
Bulkhead between East One Hundred and Thirty-ninth and East One Hundred and Fortieth streets, Harlem river.....	295 37
Cleaning piers, bulkheads, marginal streets and places, by law committed to the custody and control of the Department of Docks and Ferries, as ordered by sections 540 and 818 of the Greater New York Charter, viz.:	
Removing dirt and rubbish for 52 weeks.....	72,587 20
Removing snow and ice.....	8,520 81
Sprinkling the marginal street along North river.....	4,390 38
<i>Piers, Bulkheads, Slips and Berths designated and set apart for use of City Departments, in accordance with sections 542, 834, 836 and 838 of the Greater New York Charter.</i>	
Berths for and approaches to Public Baths.....	454 88
Berth for fire-boat at Battery wall.....	12 12
Pier "A," near foot of Battery place, North river.....	2,872 73
Building on Pier "A".....	3,409 64
Dumping-board at Canal street, North river.....	346 14
Berth for fire-boat at Bloomfield street, North river.....	465 27
Berth for fire-boat at West Thirteenth street, North river.....	329 68
Dumping-board at West Nineteenth street, North river.....	389 85
Dumping board at West Forty-seventh street, North river.....	298 51
Dumping-board on pier, old 44, East river.....	106 90

Berth for fire boat at Grand street, East river.....	\$72 03
Pipe-yard on inner 400 feet of north side of pier at East Twentieth street, East river.....	968 94
Bulkhead between East Twenty-fourth and East Twenty-fifth streets, East river.....	62 74
Pier at East Twenty-fifth street, East river.....	1,434 35
Pier at East Twenty-sixth street, East river.....	543 75
Bulkhead between East Twenty-sixth and East Twenty-eighth streets, East river.....	680 50
Berths for schoolship "St. Mary's" and training-ship "New Hampshire" at East Twenty-eighth street.....	149 71
Dumping-board at East Thirty-eighth street, East river.....	331 24
Dumping-board at East Forty-sixth street, East river.....	118 38
Dumping-board at East Eightieth street, East river.....	30 25
Berth for fire-boat at East Ninety-ninth street, East river....	2,569 22
Dumping-board at East One Hundred and Tenth street, Harlem river.....	141 62
Bulkhead and landing north of East One Hundred and Twentieth street, Harlem river.....	682 22
Piers, etc., at Blackwell's Island.....	3,841 66
Piers, etc., at Randall's Island.....	4,158 97

Piers set apart for recreation purposes in accordance with section 837 of the Greater New York Charter.

Recreation Building at Barrow street, North river—

Salaries and wages.....	\$5,713 52	
Music, May 27 to November 10.....	10,578 00	
Lighting.....	1,646 72	
Repairs and Supplies.....	622 76	
Ice.....	194 07	
Car-fares.....	8 73	
General expenses.....	2,351 56	22,115 36

Recreation Building at West Fiftieth street, North river—

Salaries and wages.....	\$8,689 75	
Music, May 27 to November 10.....	10,581 00	
Lighting.....	2,276 70	
Repairs and Supplies.....	1,296 27	
Ice.....	243 36	
Car-fares.....	7 36	
Insurance.....	566 53	
General expenses.....	2,851 20	26,612 17

Recreation Building at West One Hundred and Twenty-ninth street, North river—

Salaries and wages.....	\$5,253 25
Music, June 3 to November 10.....	7,782 00
Lighting.....	607 65

Recreation Building at West One Hundred and Twenty-ninth street, North river—		
Repairs and supplies.....	\$889 69	
Ice.....	191 12	
Car-fares.....	8 70	
Insurance.....	341 54	
General expenses.....	1,800 00	\$16,813 95
Recreation Building, at East Third street, East river—		
Salaries and wages.....	\$6,172 59	
Music, May 27 to November 10.....	8,064 00	
Lighting.....	1 631 62	
Repairs and supplies.....	1,879 81	
Car-fares.....	12 59	
Telephone rents.....	30 20	
Ice.....	279 90	
General expenses.....	2,168 40	20,239 11
Recreation Building at East Twenty-fourth street, East River—		
Salaries and wages.....	\$8,843 71	
Music, May 27 to November 10.....	10,578 00	
Lighting.....	3,389 25	
Repairs and supplies.....	6,196 21	
Car-fares.....	12 58	
Ice.....	207 53	
General expenses.....	3,507 24	32,734 52
Recreation Building, at East One Hundred and Twelfth street, Harlem River.....		
Salaries and wages.....	\$6,127 94	
Music, May 27 to November 10.....	8,064 00	
Lighting.....	1,253 32	
Repairs and supplies.....	594 42	
Car fares.....	12 54	
Ice.....	138 38	
General expenses.....	1,942 80	18,133 40
Total.....		\$666,543 49

WORK OF REPAIR AND MAINTENANCE—BOROUGH OF THE BRONX.

"Old Town Dock," Throggs Neck, Long Island Sound	\$127 66
<i>Piers, Bulkheads, Slips and Berths designated and set apart for use of City Departments, in accordance with sections 542, 834, 836 and 838 of the Greater New York Charter.</i>	
Berth for and approach to public bath, East One Hundred and Thirty-sixth street, Long Island Sound.....	39 40
Dumping-board at Lincoln avenue, Harlem river.....	218 98
Fence for Department of Water Supply, at Fordham landing.....	7 16
Piers, bulkheads, etc., at Riker's Island.....	244 63
Total	\$637 83

WORK OF REPAIR AND MAINTENANCE—BOROUGH OF BROOKLYN.

Bulkhead foot Creamer street, Gowanus canal.....	\$186 76
Bulkhead foot of Douglass street, Gowanus canal	21 28
Bulkhead north of Bridge tower, East river.....	.....
Pier foot of Dock street, East river.....	38 96
Bulkhead foot of Division avenue, Wallabout channel.....	1,014 99
Bulkhead, Wallabout canal.....	9,785 09
Pier 1, Wallabout basin.....	.....
Pier 2, Wallabout basin.....	.....
Pier 3, Wallabout basin.....	.....
Pier 4, Wallabout basin.....	.....
Pier foot South Fifth street, East river.....	617 89
Pier foot of Noble street, East river.....	637 29
<i>Cleaning piers, bulkheads, marginal streets and places, by law committed to the custody and control of the Department of Docks and Ferries, as ordered by sections 540 and 818 of the Greater New York Charter, viz.:</i>	
Removing dirt and rubbish for 52 weeks.....	2,198 61
Removing snow and ice.....	71 06
<i>Piers, Bulkheads, Slips and Berths, designated and set apart for use of the City Department in accordance with sections 542, 834, 836 and 838 of the Greater New York Charter.</i>	
Dumping-board foot of Gold street, East river.....	511 68
Berth for public bath at Forty-third street.....	697 53
Total.....	\$15,781 14

WORK OF REPAIR AND MAINTENANCE—BOROUGH OF QUEENS.

Bulkhead foot of Harris avenue, East river	\$137 17
Pier foot of Webster avenue, East river	1,350 67
Total.....	\$1,487 84

GENERAL EXPENSES INCIDENT TO AND INCLUDED WITH FOREGOING EXPENDITURES.

Office of Engineer-in-Chief—			
Salaries—Engineer-in-Chief and Assistants.....	\$8,500 00		
Salaries—Clerks.....	5,156 45		
Salaries—Typewriters.....	2,045 77		
Salaries—Searchers of Water Grants.....	2,458 33		
Salaries—Stationery Custodian	900 00		
Salaries—Messengers, Laborers and Watchmen.....	2,453 24		
		\$21,514 79	
Blank books, miscellaneous stationery and typewriter supplies..		1,467 04	
Office furniture, including insurance thereon.....		389 22	
Postage stamps.....		270 00	
Car-fares.....		114 81	
Cleaning.....		1,201 31	
Heating.....		1,462 53	
Lighting.....		78 39	
Ice.....		34 20	
Hired tugs at service of Engineer-in-Chief.....		80 75	
			\$26,613 04
Office for North River Construction Work—			
Salaries—Assistant Engineers.....	\$5,546 67		
Salaries—Clerks and Typewriters.....	4,574 28		
Salaries—Messengers, Laborers and Watchmen.....	4,956 32		
		\$15,077 27	
Repairs and supplies		1,163 65	
Lighting, \$8 ; ice, \$9.30 ; car-fares, \$638.36.....		655 60	
			16,896 58
Office for East River Construction Work—			
Salaries—Assistant Engineers.....	\$6,225 00		
Salaries—Clerks and Typewriter	3,564 65		
Salaries—Messengers, Laborers and Watchmen.....	3,015 96		
		\$12,805 61	
Repairs and supplies.....		257 85	
Lighting, \$16.49 ; ice, \$21.40 ; car-fares, \$384.33.....		422 22	
			13,485 68
Office for Brooklyn Construction Work—			
Wages—Messengers, Laborers and Watchmen		\$2,116 53	
Repairs and supplies		45 81	
			2,162 34

Office for Repairs and Maintenance—			
Salaries—Clerks.....	\$1,902 00		
Salaries—Messengers, Laborers and Watchmen.....	2,273 22	\$4,175 22	
Repairs and supplies.....		81 98	
Car-fares.....		259 62	\$4,516 82
Work-yard at West Fifty-seventh street—			
Salaries—Assistant Engineers.....	\$1,508 33		
Salaries—Foreman.....	1,500 00		
Salaries—Clerk.....	1,080 00		
Salaries—Messengers, Laborers and Watchmen.....	8,009 36	\$12,097 69	
Repairs and supplies.....		3,364 93	
Fire insurance.....		275 00	16,337 62
Work-yard at East Twenty-fourth Street—			
Wages—Foreman, Laborers and Watchmen.....		\$13,837 97	
Repairs and supplies.....		2,296 97	
Fire insurance.....		437 50	16,572 44
Repairs to and Maintenance of floating property—			
Salaries—Superintendent and Draughtsmen.....	\$3,632 11		
Salaries—Clerks.....	1,667 90		
Salaries—Mechanics, Laborers and Watchmen.....	67,048 76	\$72,368 77	
Repairs and additions to machinery, supplies, etc.....		23,831 20	
Police Department fees for testing boilers.....		48 00	
Car-fares.....		135 85	
New plant.....		54,896 20	151,280 02
Office and Field Expenses of Surveying Force.....			
Salaries and expenses of Draughtsmen on miscellaneous work....		\$4,005 22	
General care of automatic tide-gauges.....		5,729 48	
Salaries and expenses of Roundsmen.....		458 19	
Telephone rents and tolls.....		2,690 20	
Hired tugs at service of City Paymaster.....		3,665 63	
Lotting old materials for auction.....		333 64	
Salaries paid employees for period of service with United States / Government during war with Spain.....		445 14	
		850 81	17,178 31
Total.....			\$265,442 85

WHARF PROPERTY ACQUIRED.

For property being acquired between Watts and Canal streets.....	\$3,083 91
For property being acquired between Charles and Perry streets, from Mary E. Dutel, etc.....	2 10
For property being acquired between Charles and Perry streets, from the Farmers' Loan and Trust Company.....	4 20
For property being acquired between West Eleventh and Bank streets, from Eugene A. Hoffman..	9 20
For property being acquired between Bank and Bethune streets (south half of block).....	9,822 32
For property being acquired between Bloomfield and West Twenty-third streets.....	45 00
For property being acquired between West Thirty-ninth and West Fortieth streets.....	6 30
For property being acquired between West Fortieth and West Forty-first streets.....	6 30
For property acquired opposite Riverside Park.....	266,080 99
For part of Pier, old 4, East river, being acquired.....	4 84
For part of Pier, new 7, East river, being acquired.....	4 84
For part of Pier, old 12, East river, being acquired.....	4 84
For part of Pier, old 35, East river, acquired from Eugene A. Hoffman.....	1,639 08
For part of Pier, old 36, etc., East river, being acquired.....	7 26
For bulkhead east of Catharine slip, acquired from Eugene A. Hoffman.....	27,662 50
For bulkhead between Market and Pike streets, being acquired from the Protestant Episcopal Church Missionary Society.....	12 10
For bulkhead west of Pier, old 40, East river, being acquired.....	12 59
For Pier, old 39, etc., East river, being acquired.....	2,150 24
For bulkhead between Pike and Rutgers streets being acquired.....	37 80
For Pier, old 45, East river, etc., being acquired.....	14 25
For bulkhead between Jefferson and Clinton streets, being acquired from James Keese.....	13 75
For bulkhead between Jefferson and Clinton streets, being acquired from William Muhlenberg....	13 75
For Pier, old 47, etc., East river, being acquired.....	14 25
For bulkhead between Jefferson and Clinton streets, being acquired from W. A. Freeborn.....	13 75
For bulkhead between Clinton and Montgomery streets, being acquired from New York, New Haven and Hartford Railroad Company.....	14 25
For bulkhead between Clinton and Montgomery streets, being acquired from Amelia Stuyvesant...	14 25
For Pier, old 49, etc., East river, being acquired.....	14 25
For part of Pier, old 53, East river.....	45 31
For part of Pier, old 54, East river.....	45 31
For bulkhead between East Eighteenth and East Nineteenth streets, East river, being acquired from John U. Brookman.....	14 98
For Pier foot East Nineteenth street, being acquired.....	15 00
For bulkhead between East Nineteenth and East Twentieth streets, East river, being acquired from John U. Brookman.....	15 00
For bulkhead between East Twentieth and East Twenty-first streets, East river, being acquired...	15 00
For bulkhead between East Twenty-first and East Twenty-second streets, East river, being acquired.....	15 00
Total	\$310,874 51

WORK DONE AT COST AND EXPENSE OF PRIVATE OWNERS, LESSEES AND OTHERS.

Improving water-front at Park place, North river, for Lisenard Stewart and others, under agreement of December 20, 1897.....	\$58,515 10
Improving water-front at Barclay street, North river, for Frederick W. Rhineland and others, under agreement of December 20, 1897.....	35,933 48
Secretary's Order No. 17599.—Furnishing and driving piles for shed foundation in rear of the bulkhead-wall, from 125 feet south of Pier at West Eleventh street to 125 feet north of Pier at Bank street.....	1,982 29
Secretary's Order No. 17785.—Furnishing and driving piles for shed foundation in rear of the bulkhead-wall at Jade and Gansevoort streets.....	4,659 97
Secretary's Order No. 17940.—Removing ferry structures foot East One Hundredth street, Harlem river, for New York and College Point Ferry Company.....	1,312 96
Secretary's Order No. 17970.—Driving piles for shed foundation rear of the bulkhead wall at Bethune street, for Sanderson & Sons.....	1,208 29
Secretary's Order No. 18575.—Furnishing and setting 9 concrete base blocks at Desbrosses street for Henry D. Steers.....	4,138 96
Secretary's Order No. 18709.—Relaying pavement on the North river marginal street, for Consolidated Gas Company.....	2 92
Secretary's Order No. 18730.—Relaying pavement on the North river marginal street, for the American Line.....	58 70
Secretary's Order No. 18742.—Removing fence between Bay Thirty-first and Bay Thirty second streets, Bensonhurst, for William H. West.....	226 23
Secretary's Order No. 18745.—Relaying pavement on the North river marginal street, for Consolidated Gas Company.....	4 00
Secretary's Order No. 18754.—Relaying pavement on the North river marginal street, for Consolidated Gas Company.....	6 09
Secretary's Order No. 18760.—Repairing Pier, new 1, North river, for Funch, Edye & Co.....	50 00
Secretary's Order No. 18776.—Repairing Pier at West One Hundred and Thirty-first street, for the Riverside and Fort Lee Ferry Company.....	30 66
Secretary's Order No. 18778.—Repairing bulkhead between East Sixty-first and East Sixty-second streets, for Atlantic Dredging Company.....	32 32
Secretary's Order No. 18779.—Alterations on Pier 18, East river, for the New York and Cuba Mail Steamship Company.....	16 48
Secretary's Order No. 18822.—Repairing Pier at Gansevoort street, for Lehigh Valley Railroad Company.....	89 39
Secretary's Order No. 18846.—Repairing Pier, new 32, East river, for the New York, New Haven and Hartford Railroad Company.....	177 76
Secretary's Order No. 18848.—Relaying pavement on North river marginal street, for L. E. Mullen.....	38 66
Secretary's Order No. 18859.—Building temporary platform on Riker's Island, for Department of Street Cleaning.....	1,049 31
Secretary's Order No. 18870.—Repairing Dock Master's office, for Mr. Van Keuren.....	6 13
Secretary's Order No. 18873.—Repairing bulkhead between West Ninety-seventh and West Ninety-eighth streets, for Pennsylvania Railroad Company.....	10 54
Secretary's Order No. 18877.—Relaying pavement on North river marginal street, for Metropolitan Street Railway Company.....	167 49
Secretary's Order No. 18890.—Repairing bulkhead between West Twenty-seventh and West Twenty-eighth streets, for the Rogers Towing Company.....	34 70
Secretary's Order No. 18917.—Delivering cement to John M. Sheehan.....	230 92
Secretary's Order No. 18927.—Furnishing and driving fender piles foot of East Twenty-sixth street, for New York Yacht Club.....	272 72
Secretary's Order No. 18934.—Repairing Pier, new 1, North river, for the Atlas Steamship Company.....	66 22
Secretary's Order No. 18962.—Furnishing and setting 32 concrete blocks between Watts and Canal streets, for Henry D. Steers.....	6,885 34
Secretary's Order No. 18,70.—Relaying pavement on North river marginal street, for Cunard Steamship Company.....	36 49
Secretary's Order No. 18972.—Repairing Recreation Building East One Hundred and Twelfth street, for Mason's Supply Company.....	7 95
Secretary's Order No. 19006.—Repairing Pier at West One Hundred and Thirty-fourth street, for Michael M. McDermott.....	985 10
Secretary's Order No. 19011.—Dredging at Riker's Island, for Department of Street Cleaning.....	792 15
Secretary's Order No. 19038.—Building crib between East Sixty-eighth and East Sixty-ninth streets, for Central Brewing Company.....	681 62
Secretary's Order No. 19055.—Alterations on Pier, new 32, East river, for North and East River Steamboat Company.....	31 20
Secretary's Order No. 19107.—Strengthening platform at Riker's Island, for Department of Street Cleaning.....	681 10
Secretary's Order No. 19122.—Repairing Pier, new 43, North river, for Catskill and New York Steamboat Company.....	26 82
Secretary's Order No. 19130.—Relaying pavement on North river marginal street, for American Air Power Company.....	107 60
Secretary's Order No. 19151.—Relaying pavement on North river marginal street, for John Klenk.....	10 75

Secretary's Order No. 19154.—Repairing Pier 48, East river, for New York, New Haven and Hartford Railroad Company.....	\$60 72
Secretary's Order No. 19177.—Repairing Pier at East Twenty-fourth street, for owner of the lighter "Henry Du Bois".....	9 92
Secretary's Order No. 19178.—Repairing Pier at East Twenty-fourth street, for New York and Brooklyn Ferry Company.....	40 93
Secretary's Order No. 19299.—Preparing berth for St. John's Guild at East Twenty-eighth street.....	54 70
Secretary's Order No. 19305.—Alterations on Pier, new 43, North river, for Knickerbocker Steamboat Company.....	6 00
Secretary's Order No. 19306.—Repairing Department's pile driver, for Pennsylvania Railroad Company.....	80 51
Secretary's Order No. 19311.—Removing obstructions foot of Morton street, for Hudson Tunnel Railway Company.....	423 77
Secretary's Order No. 19320.—Repairing platform at West One Hundred and Thirtieth street, for Riverside and Fort Lee Ferry Company.....	122 16
Secretary's Order No. 19341.—Repairing pier, new 43, North river, for Knickerbocker Steamboat Company.....	21 95
Secretary's Order No. 19342.—Repairing bulkhead between West Forty-third and West Forty-fourth streets, for Morris & Cummings Dredging Company.....	10 34
Secretary's Order No. 19361.—Relaying pavement on North river marginal street, for Atlas Steamship Company.....	43 25
Secretary's Order No. 19379.—Relaying pavement on North river marginal street, for Union Ice Company.....	15 13
Secretary's Order No. 19452.—Alterations on Pier at Bloomfield street, for Citizen's Steamboat Company.....	157 67
Secretary's Order No. 19462.—Repairing pavement on North river marginal street, for Metropolitan Street Railway Company.....	25 00
Secretary's Order No. 19494.—Relaying pavement on North river marginal street, for Old Dominion Steamship Company.....	30 17
Secretary's Order No. 19564.—Repairing pavement at Pier 6, East river, for Michael Clifford.....	1 68
Secretary's Order No. 19573.—Dredging at West One Hundred and Thirtieth street, for Riverside and Fort Lee Ferry Company.....	273 78
Secretary's Order No. 19711.—Repairing Pier at East Twenty-second street, for the Brooklyn and New York Ferry Company.....	80 59
Total.....	\$122,026 68

ADMINISTRATIVE EXPENSES.

Office of the Commissioners—		
Salaries and wages—Commissioners.....	\$16,000 00	
Salaries and wages—Secretary and assistants.....	7,800 00	
Salaries and wages—Private Secretaries.....	4,041 67	
Salaries and wages—Clerks and Typewriters.....	20,695 44	
Salaries and wages—Messengers, Laborers and Watchmen.....	7,482 33	
Salaries and wages—Janitor.....	1,200 00	
Blank books, miscellaneous stationery and typewriter supplies.....	\$3,339 49	\$57,219 44
Printing and binding Annual Report for 1897.....	1,530 68	
Printing minutes and index.....	1,597 75	
Indexing minutes of 1891, 1892 and 1893.....	400 00	
Postage and revenue stamps.....	\$1,230 00	6,867 92
Office furniture and insurance thereon.....	351 29	
Legislative documents.....	8 15	
Advertising sale of ferry franchise.....	99 50	
Car-fares, \$114.54; ice, \$34.20; telegrams, \$3.05.....	151 79	
Cleaning, \$1,087.67; heating, \$1,509.33; lighting, \$82.37.....		1,840 73
		2,679 37
		\$68,607 46

Offices of Dock Superintendent and Dock Masters—			
Salaries and wages—Superintendent and Dock Masters.....	\$32,668 46		
Salaries and wages—Collectors.....	5,390 32		
Salaries and wages—Typewriter.....	248 95		
Salaries and wages—Watchmen.....	14,066 91		
		\$52,374 64	
Repairs and supplies.....		1,365 80	
Hired tugs at service of Dock Masters.....		38 26	
Car-fares, \$44.08 ; telephone, \$272.70.....		316 78	
			\$54,095 48
Examination of plans and specifications submitted for and supervision of work done by lessees, owners and others under order of or permit from the Board—			
In Borough of Manhattan.....		\$6,021 66	
In Borough of The Bronx.....		1,738 18	
In Borough of Brooklyn.....		3,574 08	
In Borough of Queens.....		1,761 98	
In Borough of Richmond.....		826 83	
			13,922 73
Expenses incident to the naval and land parades in honor of Admiral Dewey.....		\$1,771 36	
Preventing piercing of bulkhead foot of East One Hundred and Thirty-ninth street—Secretary's Order No. 19191.....		255 60	
Fencing off from public use the Pier at Rockaway Beach—Secretary's Order No. 19409.....		80 59	
Ascertaining ownership of certain piers and bulkheads in Brooklyn.....		591 50	
Expenses of Corporation Counsel preparing information for the Board as to the right of erecting fence between East Sixtieth and East Sixty-first streets.....		2 00	
Data compiled for use in suit of City against East Bay Land and Improvement Company.....		203 52	
Attendance at court in suit of Cunliffe vs. The Mayor, etc.....		8 34	
Hired tugs placed at service of Department of Street Cleaning.....		14 25	
			2,927 36
Total			\$139,553 03

SUMMARY.

New materials, supplies, tools and fabricated concrete blocks on hand and accounts in suspense December 31, 1898.....		\$54,417 49
Requisitions made upon the Comptroller during 1899, viz. —		
For bills and claims for material furnished, for work done and for wharf property acquired.....	\$1,776,770 46	
For salaries and wages.....	921,869 42	
		*2,698,639 88
Charges for use of Department's floating plant—Resolution, February 21, 1894.....	\$7,221 90	
Charges for reused materials and supplies—Engineer's Order No. 17781.....	129 74	
		7,351 64
Total to be accounted for.....		<u>\$2,760,409 01</u>
For work of construction—Borough of Manhattan—		
Bulkhead wall and general charges.....	\$650,629 97	
Piers and extensions.....	405,238 93	
Crib-bulkheads.....	4,359 87	
Plans for future improvements.....	924 74	
Recreation buildings.....	203,273 09	
		\$1,264,426 60
For work of construction—Borough of The Bronx—		
Survey of water-front.....	\$5,247 06	
Crib-bulkheads.....	1 66	
Piers.....	806 31	
		6,055 03
For work of construction—Borough of Brooklyn—		
Survey of water-front.....	\$8,625 56	
Bulkhead wall and general charges.....	38,280 40	
Piers.....	79,715 77	
Recreation building.....	11,052 81	
		137,674 54
For work of construction—Borough of Queens—Survey of water-front.....		7,731 43
For work of construction—Borough of Richmond—Survey of water-front.....		7,790 22
		<u>\$1,423,677 82</u>
For work of repair and maintenance—Borough of Manhattan.....	\$666,543 49	
For work of repair and maintenance—Borough of The Bronx.....	637 83	
For work of repair and maintenance—Borough of Brooklyn.....	15,781 14	
For work of repair and maintenance—Borough of Queens.....	1,487 84	
		684,450 30
For wharf property acquired.....		310,874 51
For work done for private owners, lessees and others.....		122,026 68
For administrative expenses.....		139,553 03
For new materials, supplies, tools and fabricated concrete blocks, etc., on hand...		79,826 67
Total accounted for.....		<u>\$2,760,409 01</u>
*Paid from Dock Fund.....		\$2,603,910 79
Paid from Wallabout Fund.....		94,799 09

RECORD OF WHARF PROPERTY ACQUIRED BY DEPARTMENT SINCE ITS ORGANIZATION TO DECEMBER 31, 1899, SHOWING FROM WHOM AND HOW ACQUIRED, THE AMOUNT PAID THEREFOR AND THE DATE WHEN PAID FOR.

	FOR PROPERTY.	FOR INTEREST, COSTS, LAW CHARGES, ETC.	FOR FEES AND EXPENSES OF COMMISSIONS.	TOTAL.
ON NORTH RIVER.				
<i>Between Vesey and Barclay Streets.</i>				
North half of Pier, old 23, south half of Pier, old 24, and the bulkhead, 109 feet 4 inches in length, between and in rear of same, acquired April 6, 1891, by agreement, from James Cruikshank, Trustee..	\$200,000 00	\$473 93	.....	\$200,473 93
<i>Between Murray and Warren Streets.</i>				
Bulkhead, 159 feet in length, acquired December 4, 1894, by agreement, from Charles F. Choate. Price per foot, \$5.00	79,500 00	562 30	.....	80,062 30
Bulkhead, 26 feet 6 inches in length, acquired January 24, 1885, by agreement, from Charles Drake.	14,250 00	95 70	.....	14,345 70
<i>Between Warren and Chambers Streets.</i>				
Bulkhead, 199 feet in length, taken by Department in 1878 for improvement. Payment therefor made July 20, 1894, to the New York Life Insurance and Trust Company, as trustee for Charles E. Delaplaine, in accordance with judgment of Supreme Court. Price per foot, \$500.	99,500 00	88,855 27	.....	188,355 27
<i>Between Jay and Harrison Streets.</i>				
North half of Pier, old 33, south half of Pier, old 34, and the bulkhead, 207 feet 6 inches in length, between and in rear of same, all known as the "Jay Street Basin," acquired October 20, 1893, by agreement, from the West Shore and Ontario Terminal Company.....	350,000 00	15,552 c8	.....	365,552 c8
<i>Between Harrison and Franklin Streets.</i>				
Bulkhead, 75 feet in length, acquired July 26, 1892, in accordance with report of Commissioners of Estimate, approved by Supreme Court, from S. Charles Welch and William Burrill. Price per foot, \$600.	45,000 00	.....	\$3,772 40	48,772 40
Bulkhead, 100 feet in length, acquired February 25, 1885, by agreement, from Emily V. Clarkson and others. Price per foot, \$600.....	60,000 00	293 55	.....	60,293 55
<i>Between Franklin and North Moore Streets.</i>				
Bulkhead, 87 feet 6 inches in length, and north half of Pier, old 25, acquired December 16, 1884, by agreement, from William L. Skidmore and others. Price per foot, \$600.....	52,500 00	103 25	.....	52,603 25
Bulkhead, 87 feet 6 inches in length, acquired December 16, 1884, by agreement, from Charles F. Southmayd. Price per foot, \$635.....	55,562 50	121 20	.....	55,683 70

	FOR PROPERTY.	FOR INTER- EST, COSTS, LAW CHARGES, ETC.	FOR FEES AND EXPENSES OF COMMIS- SIONS.	TOTAL.
<i>Between North Moore and Beach Streets.</i>				
Bulkhead, 50 feet in length, acquired December 23, 1884, by agreement, from the Southern Development Company. Price per foot, \$650	\$32,500 00	\$90 10	.....	\$32,590 10
Bulkhead, 125 feet in length, acquired June 16, 1887, by agreement, from the Old Dominion Steamship Company. Price per foot, \$600	75,000 00	113 45	.....	75,113 45
<i>Between Beach and Hubert Streets.</i>				
Bulkhead, 100 feet in length, taken by Department in 1878 for improvement. Payment therefor made January 11, 1897, to Theodore Timpson and others, executors of the estate of William Chamberlain, in accordance with judgment of Supreme Court. Price per foot, \$650	65,000 00	43,190 10	.....	108,190 10
Bulkhead, 50 feet in length, acquired December 16, 1884, by agreement, from Ogden Brower and Charles De Hart Brower. Price per foot, \$600 ..	30,000 00	333 70	.....	30,333 70
Bulkhead, 50 feet in length, acquired December 16, 1884, by agreement, from John Lefroy Brower and Abraham T. H. Brower. Price per foot, \$600	30,000 00	325 25	.....	30,325 25
<i>Between Hubert and Lighthouse Streets.</i>				
Bulkhead, 53 feet in length, taken by Department in 1883 for improvement. Payment therefor made December 14, 1892, to Anna A. F. Hurlbut and Mary A. Kittleman, in accordance with judgment of Supreme Court. Price per foot, \$500	26,500 00	3,111 87	.....	29,611 87
<i>Between Watts and Canal Streets.</i>				
Bulkhead being acquired under condemnation proceedings .....	.....	.....	\$7,279 05	7,279 05
<i>Between Spring and Charlton Streets.</i>				
Bulkhead, 40 feet 6 inches in length, taken by Department in 1890 for improvement. Payment therefor made November 13, 1893, to Cornelius F. Kingsland and others, in accordance with judgment of Supreme Court. Price per foot, \$450	18,225 00	10,159 85	.....	28,384 85
Bulkhead, 40 feet in length, taken by Department in 1878 for improvement. Payment therefor made January 23, 1894, to Thomas Lenane and John Mooney, Trustees, in accordance with judgment of Supreme Court. Price per foot, \$500	20,000 00	14,811 20	.....	34,811 20
Bulkhead, 45 feet 3 inches in length, acquired March 6, 1885, by agreement, from Mary T., Elizabeth V. and Jacob H. V. Cockcroft. Price per foot, \$550 ..	24,887 50	49 55	.....	24,937 05
Bulkhead, 42 feet 6 inches in length, taken by Department in 1880 for improvement. Payment therefor made June 9, 1897, to James L. Verre, in accordance with judgment of Supreme Court. Price per foot, \$550	23,375 00	27,595 17	.....	50,970 17
Bulkhead, 45 feet 6 inches in length, and including Pier, old 44, acquired September 5, 1879, in accordance with report of Commissioners of Estimate, approved by Supreme Court, from William Inman	200,000 00	.....	3,530 00	203,530 00
Bulkhead, 50 feet in length, acquired March 6, 1885, by agreement, from William E. Dodge, Jr., and D. Willis James. Price per foot, \$550	27,500 00	72 10	.....	27,572 10
Bulkhead, 104 feet 3 inches in length, taken by Department in 1880 for improvement. Payment therefor made December 22, 1892, to William M. Kingsland, trustee, etc., in accordance with judgment of Supreme Court. Price per foot, \$500	52,125 00	26,144 81	.....	78,269 81

	FOR PROPERTY.	FOR INTER- EST, COSTS, LAW CHARGES, ETC.	FOR FEES AND EXPENSES OF COMMIS- SIONS.	TOTAL.
<i>Between King and West Houston Streets.</i>				
*Bulkhead, 25 feet and $\frac{1}{4}$ inch in length, taken by Department in 1876 for improvement. Payment therefor made August 11, 1892, to Matthew Wilkes and wife, in accordance with judgment of Supreme Court. Price per foot, \$600.....	\$15,012 54	\$17,032 09	.....	\$32,044 63
*Bulkhead, 50 feet and $\frac{1}{4}$ inch in length, taken by Department in 1876 for improvement. Payment therefor made August 11, 1892, to Matthew Wilkes, in accordance with judgment of Supreme Court. Price per foot, \$600.....	30,025 02	32,519 76	.....	62,544 78
*Bulkhead, 75 feet and $\frac{3}{4}$ inch in length, taken by Department in 1876 for improvement. Payment therefor made August 11, 1892, to Walter Langdon, in accordance with judgment of Supreme Court. Price per foot, \$600.....	45,037 50	49,932 73	.....	94,970 23
Bulkhead, 25 feet in length, taken by Department in 1880 for improvement. Payment therefor made December 7, 1892, to "The Protestant Episcopal Church Missionary Society for Seamen in the City and Port of New York," in accordance with judgment of Supreme Court. Price per foot, \$450.....	11,250 00	5,849 75	.....	17,099 75
Bulkhead, 25 feet in length, taken by Department in 1875 for improvement. Payment therefor made April 5, 1895, to Michael Regan, in accordance with judgment of Supreme Court. Price per foot, \$490.....	12,250 00	11,492 19	.....	23,742 19
<i>Between West Houston and Clarkson Streets.</i>				
*Bulkhead, 75 feet and $\frac{3}{4}$ inch in length, taken by Department in 1878 for improvement. Payment therefor made August 11, 1892, to Marion Carroll, in accordance with judgment of Supreme Court. Price per foot, \$600.....	45,037 50	45,067 06	.....	90,104 56
*Bulkhead, 50 feet and $\frac{1}{4}$ inch in length, taken by Department in 1877 for improvement. Payment therefor made August 11, 1892, to Woodbury G. Langdon, in accordance with judgment of Supreme Court. Price per foot, \$600.....	30,025 00	30,446 30	.....	60,471 80
*Bulkhead, 50 feet and $\frac{1}{4}$ inch in length, taken by Department in 1877 for improvement. Payment therefor made April 21, 1893, to Louisa D. Kane and the New York Life Insurance Company, as her trustee, in accordance with judgment of Supreme Court. Price per foot, \$600.....	30,025 00	27,264 70	.....	57,289 70
*Bulkhead, 25 feet and $\frac{1}{4}$ inch in length, taken by Department in 1877 for improvement. Payment therefor made August 11, 1892, to Louisa D. Kane, in accordance with judgment of Supreme Court. Price per foot, \$600.....	15,012 54	14,544 90	.....	29,557 44
<i>Between Clarkson and Leroy Streets.</i>				
Bulkhead, 75 feet in length, taken by Department in 1879 for improvement. Payment therefor made November 6, 1893, to Daniel D. Lord, in accordance with judgment of Supreme Court. Price per foot, \$500.....	37,500 00	14,591 74	.....	52,091 74
*Bulkhead, 50 feet and $\frac{1}{4}$ inch in length, taken by Department in 1877 for improvement. Payment therefor made August 11, 1892, to Woodbury G. Langdon, in accordance with judgment of Supreme Court. Price per foot, \$600.....	30,025 00	31,554 94	.....	61,579 94
*Bulkhead, 75 feet and $\frac{3}{4}$ inch in length, taken by Department in 1877 for improvement. Payment therefor made August 11, 1892, to Cecilia L. Nottbeck, in accordance with judgment of Supreme Court. Price per foot, \$600.....	45,037 50	44,854 29	.....	89,891 79

* Known as the Langdon suits.

	FOR PROPERTY.	FOR INTEREST, COSTS, LAW CHARGES, ETC.	FOR FEES AND EXPENSES OF COMMIS- SIONS.	TOTAL.
<i>Between Leroy and Morton Streets.</i>				
Bulkhead, 75 feet and $\frac{3}{4}$ inch in length, taken by Department in 1881 for improvement. Payment therefor made March 12, 1895, to William C. Casey, in accordance with judgment of Supreme Court. Price per foot, \$480.....	\$36,030 00	\$21,730 29	.....	\$57,760 29
Bulkhead, 75 feet and 2 inches in length, taken by Department in 1877 for improvement. Payment therefor made March 22, 1895, to Thomas S. Clarkson and others, in accordance with judgment of Supreme Court. Price per foot, \$475....	35,704 16	26,167 98	.....	61,872 14
Bulkhead, 50 feet in length, taken by Department in 1878 for improvement. Payment therefor made July 14, 1898, to Goldsborough Banyer, as executor of Harriet Banyer White, and others, in accordance with judgment of Supreme Court. Price per foot, \$500.....	25,000 00	21,367 98	.....	46,367 98
<i>Between Morton and Barrow Streets.</i>				
Bulkhead, 75 feet and $\frac{3}{4}$ inch in length, taken by Department in 1876 for improvement. Payment made therefor January 23, 1894, to John S. McLean and Mary J. Halstead, in accordance with judgment of Supreme Court. Price per foot, \$500.	37,531 25	29,288 70	.....	66,819 95
Bulkhead, 25 feet and $\frac{3}{4}$ inch in length, taken by Department in 1876 for improvement. Payment therefor made January 23, 1894, to John S. McLean, in accordance with judgment of Supreme Court. Price per foot, \$500.....	12,510 41	10,020 01	.....	22,530 42
Bulkhead, 25 feet and $\frac{1}{4}$ inch in length, taken by Department in 1876 for improvement. Payment therefor made January 23, 1894, to John G. Wendel, in accordance with judgment of Supreme Court. Price per foot, \$500.....	12,510 41	10,020 02	.....	22,530 43
Bulkhead, 75 feet and $\frac{3}{4}$ inch in length, taken by Department in 1876 for improvement. Payment therefor made January 23, 1894, to John S. McLean, in accordance with judgment of Supreme Court. Price per foot, \$500.....	37,531 24	29,290 72	.....	66,821 96
<i>Between Charles and Perry Streets.</i>				
Bulkhead being acquired from Mary E. Dutel .....	.....	2 10	\$33 75	35 85
Bulkhead being acquired from the Farmers' Loan and Trust Company.....	.....	4 20	67 50	71 70
<i>Between Perry and West Eleventh Streets.</i>				
Bulkhead, 89 feet and 6 inches in length, acquired January 3, 1896, by agreement from George H. Budke. Price per foot, \$475.....	42,512 50	123 25	.....	42,635 75
Bulkhead, 23 feet in length, acquired July 27, 1896, by agreement, from Charles N. and Emory F. Lane. Price per foot, \$450	10,350 00	84 95	.....	10,434 95
Bulkhead, 43 feet and 3 inches in length, acquired December 10, 1894, by agreement, from Henry Chastain. Price per foot, \$450.....	19,462 50	354 13	.....	19,816 63
Bulkhead, 45 feet and 6 inches in length, acquired February 8, 1897, by agreement, from Isabel Brockner Tyte. Price per foot, \$450.....	20,475 00	1,218 66	.....	21,693 66

	FOR PROPERTY.	FOR INTER- EST, COSTS, LAW CHARGES, ETC.	FOR FEES AND EXPENSES OF COM- MISSIONS.	TOTAL.
<i>Between West Eleventh and Bank Streets.</i>				
Block between West Eleventh and Bank streets and West street and Thirteenth avenue, acquired October 14, 1898, in accordance with report of Commissioners of Estimate and Assessment, from Eugene A. Hoffman, viz.:				
Bulkhead, 196 feet 7 inches in length, at \$500 per foot.....	\$28,201 67			
Land, buildings, fixtures, etc.....	757,628 43			
	\$855,920 10	\$108,247 83	\$16,989 90	\$981,157 83
<i>Between Bank and Bethune Streets.</i>				
South half of block now being acquired under condemnation proceedings.....	.....	.....	37,785 76	37,785 76
North half of block between Bank and Bethune streets, and West street and Thirteenth avenue, acquired June 2, 1896, in accordance with report of Commissioners of Estimate, approved by Supreme Court, from Louisa M. Gerry and Thomas G. Patterson, viz.:				
Bulkhead, 201 feet 5½ inches, at \$500 per foot.....	\$100,714 58			
Land, buildings, fixtures, etc.....	479,103 80			
	579,818 38	1,256 27	6,937 46	588,012 11
<i>Between Bethune and West Twelfth Streets.</i>				
Block between Bethune and West Twelfth streets, and West street and Thirteenth avenue, acquired September 17, 1897, in accordance with report of Commissioners of Estimate and Assessment, from Emily J. Deforest, viz.:				
Bulkhead, 161.57 feet in length, at \$500 per foot.....	\$80,785 00			
Land, buildings, fixtures, etc.....	809,215 00			
	890,000 00	45,686 67	10,615 41	946,302 80
<i>Between West Twelfth and Jane Streets.</i>				
Block between West Twelfth and Jane streets, and West street and Thirteenth avenue, acquired December 23, 1897, in accordance with report of Commissioners of Estimate and Assessment, from the Waldrich Land Company, etc., viz.:				
Bulkhead, 160 feet 3 inches in length, at \$100 per foot.....	\$80,125 00			
Land, buildings, fixtures, etc.....	598,348 37			
	678,473 37	47,289 64	10,138 67	735,901 68
<i>Between Jane and Horatio Streets.</i>				
Block between Jane and Horatio streets, and West street and Thirteenth avenue, acquired December 10, 1897, in accordance with report of Commissioners of Estimate and Assessment, from Louisa M. Gerry, etc., viz.:				
Bulkhead, 175 feet 3 inches, at \$500 per foot.....	\$87,625 00			
Land, buildings, fixtures, etc.....	667,055 00			
	754,680 00	52,198 68	9,847 16	816,725 84
<i>Between Horatio and Gansevoort Streets.</i>				
Block between Horatio and Gansevoort streets, and West street and Thirteenth avenue, acquired December 9, 1897, in accordance with report of Commissioners of Estimate and Assessment, from John S. McLean, etc., viz.:				
Bulkhead, 163 feet 2 inches, at \$500 per foot.....	\$81,583 33			
Land, buildings, fixtures, etc.....	683,104 99			
	764,688 32	52,763 46	10,324 10	827,775 88

	FOR PROPERTY.	FOR INTER- EST, COSTS, LAW CHARGES, ETC.	FOR FEES AND EXPENSES OF COMMIS- SIONS.	TOTAL.
<i>Between Gansevoort and West Twenty-third Streets.</i>				
For bulkheads, etc., being acquired.....	.....	.....	\$45 00	\$45 00
<i>Between West Twenty-third and West Twenty-fourth Streets.</i>				
Bulkhead, 202 feet and 6 inches in length, acquired } December 14, 1892, by agreement, from Clement } C. Casimir de R. and Katharine T. Moore. Price } per foot, \$500.....	\$101,250 00	\$528 30	.....	101,778 30
<i>Between West Twenty-fourth and West Twenty-fifth Streets.</i>				
Bulkhead, etc., 202.57 feet in length, taken by Depart- } ment in 1881 for improvement. Payment there- } for made December 11, 1889, to William M. } Kingsland and others, in settlement of judgment } of Supreme Court.....	130,000 00	49,856 68	.....	179,856 68
<i>Between West Twenty-fifth and West Twenty-sixth Streets.</i>				
Bulkhead, etc., 101.28 feet in length, taken by } Department in 1881 for improvement. Payment } therefor made June 18, 1890, to Henry K. S. } Williams, in accordance with judgment of Supreme } Court.....	65,000 00	41,583 61	.....	106,583 61
Bulkhead, etc., 101.28 feet in length, taken by Depart- } ment in 1881 for improvement. Acquired January } 12, 1893, by agreement, from Edward A. Smith... }	65,000 00	20,792 31	.....	85,792 31
<i>Between West Twenty-sixth and West Twenty-seventh Streets.</i>				
Bulkhead, 202.57 feet in length acquired February 24, } 1891, by agreement, from George de Forest Lord } and Horace S. Ely, executor, etc.....	120,000 00	114 75	.....	120,114 75
<i>Between West Twenty-eighth and West Twenty-ninth Streets.</i>				
Bulkhead, 101 feet and 4 inches in length, taken by } Department in 1890 for improvement. Payment } therefor made December 14, 1893, to Charles Ray } King and others, in accordance with judgment of } Supreme Court. Price per foot, \$425.....	43,066 66	2,898 09	.....	45,964 75
Bulkhead, 50 feet and 8 inches in length, taken by } Department in 1890 for improvement. Payment } therefor made December 14, 1893, to Schuyler Van } Cortlandt Hamilton and others, in accordance with } judgment of Supreme Court. Price per foot, \$425 }	21,533 33	1,649 57	.....	23,182 90
Bulkhead, 50 feet and 3 inches in length, taken by } Department in 1890 for improvement. Payment } therefor made December 14, 1893, to Nathalie E. } Baylies, in accordance with judgment of Supreme } Court. Price per foot, \$425.....	21,533 33	1,618 52	.....	23,181 85
<i>Between West Twenty-ninth and West Thirtieth Streets.</i>				
Bulkhead, 60 feet and 1/2 inch in length, taken by De- } partment in 1890 for improvement. Payment } therefor made December 14, 1893, to Mary Ray } de Courval and Mary Madeline Isabel de Noailles, } in accordance with judgment of Supreme Court. } Price per foot, \$425.....	25,517 70	1,797 01	.....	27,314 71

	FOR PROPERTY.	FOR INTER- EST, COSTS, LAW CHARGES, ETC.	FOR FEES AND EXPENSES OF COMMIS- SIONS.	TOTAL.
<i>Between West Thirty-third and West Thirty-fourth Streets.</i>				
Bulkhead, 101 feet in length, acquired June 17, 1890, by agreement, from William K. and Cornelius Vanderbilt	\$10,000 00	.....	.....	\$10,000 00
Bulkhead, etc., about 101 feet and 4 1/4 inches in length acquired February 24, 1897, in accordance with report of Commissioners of Estimate, approved by Supreme Court, from Edmund Coffin, Rebecca S. Mills and Carrie E. B. Tripp.....	110,000 00	\$2,534 58	\$4,548 74	117,083 32
<i>Between West Thirty-fourth and West Thirty-fifth Streets.</i>				
Bulkhead, etc., 107 feet 6 inches in length—Condemnation proceedings suspended.....	.....	.....	127 00	127 00
<i>Between West Thirty-ninth and West Fortieth Streets.</i>				
Bulkhead, etc., being acquired.....	.....	.....	6 30	6 30
<i>Between West Fortieth and West Forty-first Streets.</i>				
Bulkhead, etc., being acquired.....	.....	.....	6 30	6 30
<i>Between West Forty-first and West Forty-second Streets.</i>				
Bulkhead, etc., 107 feet 6 inches in length—Condemnation proceedings suspended.....	.....	.....	339 75	339 75
<i>Between West Forty-second and West Forty-third Streets.</i>				
Bulkhead, etc., 200 feet 10 inches in length, being acquired under condemnation proceedings.....	.....	.....	1,426 89	1,426 89
<i>Between West Fifty-first and West Fifty-second Streets.</i>				
Bulkhead, 200 feet 10 inches in length, acquired March 7, 1895, by agreement, from executors of the estate of James Brown. Price per foot, \$475	95,395 83	241 30	.....	95,637 13
<i>Between West Fifty-third and West Fifty-fourth Streets.</i>				
Bulkhead, etc., 260 feet 10 inches in length, acquired September 7, 1893, in accordance with judgment of United States Circuit Court, from Mary J. Van Auken, in settlement of alleged rights.....	2,500 00	30 00	.....	2,530 00
<i>Between West Fifty-fourth and West Fifty-fifth Streets.</i>				
Bulkhead, etc., 245 feet in length, acquired October 20, 1897, in accordance with judgment of Supreme Court, from Hopper S. and Alexander H. Mott, in settlement of alleged rights.....	7,500 00	.....	.....	7,500 00
<i>Opposite Riverside Park.</i>				
Bulkheads being acquired under the provisions of chapter 152, Laws of 1894.....	247,663 00	5,709 24	27,786 03	281,158 27

	FOR PROPERTY.	FOR INTER- EST, COSTS, LAW CHARGES, ETC.	FOR FEES AND EXPENSES OF COMMIS- SIONS.	TOTAL.
ON EAST RIVER.				
Part of Pier, old 4.....	\$4 84	\$4 84
Part of Pier, new 7.....	4 84	4 84
Part of Pier, old 12.....	4 84	4 84
<i>Between Catharine Slip and Market Street.</i>				
Bulkhead, 63 feet in length, acquired April 27, 1889, by agreement, from William F. Bridge and others... }	\$6,300 00	\$180 85	.....	6,480 85
Pier 35, east half, acquired October 4, 1898, in accord- ance with report of Commissioners of Estimate and Assessment, from Eugene A. Hoffman..... }	89,000 00	10,984 07	6,065 31	106,049 38
Part of Pier, old 36, etc.....	7 26	7 26
Bulkhead, 109.69 feet in length, acquired December 18, 1899, in accordance with report of Commissioners of Estimate and Assessment, from Eugene A. Hoffman..... }	25,000 00	2,662 50	4,618 16	32,280 66
<i>Between Market and Pike Streets.</i>				
Bulkhead, including Pier 39, being acquired under condemnation proceedings..... }	4,686 24	4,686 24
Bulkhead, west of Pier, old 40.....	12 59	12 59
Bulkhead, being acquired from the P. E. Church Mis- sionary Society..... }	12 10	12 10
<i>Between Pike and Rutgers Streets.</i>				
Bulkhead, etc., 443 feet 6 inches in length, being acquired..... }	132 40	132 40
<i>Between Rutgers and Jefferson Streets.</i>				
Pier, old 45, etc.....	14 25	14 25
<i>Between Jefferson and Clinton Streets.</i>				
Bulkhead being acquired from James Keese.....	13 75	13 75
Bulkhead being acquired from William Muhlenberg...	13 75	13 75
Bulkhead being acquired from William A. Freeborn...	13 75	13 75
Pier, old 47, etc.....	14 25	14 25
<i>Between Clinton and Montgomery Streets.</i>				
Bulkhead being acquired from the New York, New Haven and Hartford Railroad Company..... }	14 25	14 25
Bulkhead being acquired from Amelia Stuyvesant.....	14 25	14 25
Pier, old 49, etc.....	14 25	14 25
<i>At Jackson Street.</i>				
Part of Pier, old 53.....	45 31	45 31
Part of Pier, old 54.....	45 31	45 31

	FOR PROPERTY.	FOR INTER- EST, COSTS, LAW CHARGES, ETC.	FOR FEES AND EXPENSES OF COMMIS- SIONS.	TOTAL.
<i>Between Rivington and Stanton Streets.</i>				
Bulkhead, 141 feet in length, including one-half of Pier 02, acquired December 22, 1892, by agreement, from James W. Smith and Equitable Life Assurance Society of New York.....	\$70,000 00	\$59 68	.....	\$70,059 68
<i>Between East Eighteenth and East Twenty-second Streets.</i>				
Bulkhead between East Eighteenth and East Nineteenth streets.....	.....	.....	\$26 98	26 98
Pier, foot of East Nineteenth street.....	.....	.....	27 00	27 00
Bulkhead between East Nineteenth and East Twentieth streets.....	.....	.....	27 00	27 00
Bulkhead between East Twentieth and East Twenty-first streets.....	.....	.....	27 00	27 00
Bulkhead between East Twenty-first and East Twenty-second streets.....	.....	.....	27 00	27 00
<i>Between East Twenty-fifth and East Twenty-sixth Streets.</i>				
Bulkhead, 197 feet 6 inches in length, acquired February 6, 1893, by agreement, from Julius A. Candee, John M. Canda and George Moore Smith....	70,000 00	324 45	.....	70,324 45
ON HARLEM RIVER.				
Bulkhead between East One Hundred and Fourth and East One Hundred and Fifth streets, being acquired under condemnation proceedings.....	.....	.....	3,131 70	3,131 70
Premises at foot of north half of East One Hundred and Fourteenth street, east of high-water mark, acquired June 19, 1895, by agreement, from Oliver Bryan.....	1,500 00	99 00	... ..	1,599 00
Certain land in vicinity of Sherman's creek, lying southerly of Academy street, acquired July 21, 1897, by agreement, from Robert G. Dun.....	3,000 00	103 25	... ..	3,103 25
Total.....	\$8,077,620 09	\$1,152,118 68	\$170,625 55	\$9,400,364 32

JAMES WEIR, Apportionment Clerk.

REPORT
OF THE
ENGINEER-IN-CHIEF.

DEPARTMENT OF DOCKS AND FERRIES,
PIER "A," FOOT OF BATTERY PLACE, NORTH RIVER, }
OFFICE OF THE ENGINEER-IN-CHIEF,
NEW YORK, July 1, 1900.

To the Board of Docks :

GENTLEMEN—I have the honor to submit the following report of the work under the charge and supervision of the Engineer-in-Chief for the year ending December 31, 1899 :

WORK OF CONSTRUCTION UNDER "NEW PLAN."

NORTH RIVER.

Battery Section—Embracing the boat landing, Pier "A," Pier, new 1, North river, and about eighty feet of bulkhead north of Pier, new 1.

Completed in 1871, and a temporary breakwater, to protect small boats, built in 1897. A float has been maintained at this section during the year and necessary repairs made to the breakwater.

It is proposed during the coming year to remove the present temporary structure forming the breakwater and replace the same with a substantial structure of masonry on pile foundation.

Sections between Dey and Desbrosses Streets, inclusive.

Sections between Dey and Desbrosses streets, inclusive, on which the bulkhead or river wall has been completed, are as follows :

SECTIONS.	LENGTH OF "E" OR TOP COURSE OF GRANITE UNDER COPING.
Dey street extended	20.00
Dey street.....	241.90
West Washington Market.....	578.17
Barclay street (work done by private parties).....	153.05
Barclay street extended.	139.07
Park place.....	226.24
Murray street.....	160.40
Warren street.....	246.26
Chambers street.....	651.80
Jay street.....	216.67
Franklin street.....	415.95
North Moore street.....	340.00
Beach street.....	196.00
Laight street.....	600.00
Desbrosses street (work done by private parties).....	85.23
Total.....	4,270 64

These sections embrace Piers from new 14 to new 29 inclusive.

Barclay Street Section Extended—Extending from the southerly side of Pier, old 25, North river, northerly a distance of about 137 feet.

The Board, by a unanimous resolution passed December 30, 1897, directed that a section of the bulkhead wall be built at the above locality. This work has been done by the Department at the cost and expense of the owners of the bulkhead, F. W. Rhinelander and others, under an agreement with the Board of Docks dated December 16, 1897, and approved by the Sinking Fund Commissioners December 28, 1897.

The wall has been completed on this section, and filling is being placed by the New York Central Railroad Company, under the supervision of this Department.

Pier, old 25, North River—The inner end of this pier was rebuilt and an approach constructed.

Park Place Section—Extending from a point about 137 feet north of the southerly line of Pier, old 25, North river, northerly and across the site of Pier, old 27, North river, a distance of about 227 feet.

The Board, by a unanimous resolution passed December 30, 1897, directed that a section of the bulkhead-wall be built at the above locality. The wall has been completed and earth-filling is being placed in rear of the same.

This work has been done by the Department at the cost and expense of the owners of the bulkhead, William Rhinelander and others, under an agreement with the Board of Docks, dated December 16, 1897, and approved by the Sinking Fund Commissioners, December 28, 1897.

Pier, old 27, North River—The inner end of this pier was rebuilt and an approach constructed.

Pier, new 26, North River—The outer end of the pier has been extended to the pierhead-line of 1897 by the force of the Department.

Pier, new 29, North River—The outer end of this pier has been extended by the force of the Department.

Desbrosses Street Section—The Pennsylvania Railroad Company, owners of the old bulkhead on the westerly side of West street, between Vestry and Watts streets, began building the bulkhead or river wall in front of their property, under the provisions of chapter 397 of the Laws of 1893, and also under a permit and agreement made with the Department of Docks on October 30, 1894, and approved by the Commissioners of the Sinking Fund December 18, 1894. About 80 feet northerly of the Laight street section were completed and a shed built upon a part of it, when the work was temporarily suspended. Work was resumed at the upper end of the section on August 4, 1898, and substantial progress in the work has been made.

The old ferry structures have been removed and new ones are being constructed.

Watts Street Section—Extending from a point opposite to the southerly line of Watts street, northerly to the northerly line of Watts street, a distance of about 65 feet, under unanimous resolution of the Board June 17, 1898.

This wall is a modification of the 1876 type of bulkhead-wall.

The wall proper consists of a sub-base block, a top base block, surmounted with a granite facing and concrete backing; the whole retaining structure being relieved from pressure by a platform built in the rear of the wall on vertical piles braced with batter piles.

This section has been completed during the year.

Pier, new 31, North River—The new pier at the foot of the street was completed during the year under Contract No. 639.

Watts Street Section Extended—Extending from the northerly line of Watts street northerly a distance of about 125 feet.

The Board by a resolution passed February 3, 1899, authorized the construction of work on this section and the wall has been completed during the year. Earth-filling is being placed in rear of the wall.

South Canal Street Section—The New Jersey Steamboat Company, owners of a portion of

the old bulkhead on the westerly side of West street, between Watts and Hoboken streets, began last year building the bulkhead or river wall in front of their property, under the provisions of chapter 397 of the Laws of 1893, permit of Board of Docks, November 22, 1894, approved by the Sinking Fund Commissioners December 21, 1894, and also under a permit and agreement made with the Department of Docks dated February 16, 1898, and approved by the Commissioners of the Sinking Fund May 9, 1898. The wall was completed during the year.

Sections North of Canal Street.

The sections at and north of Canal street on which the bulkhead or river wall has been completed are as follows :

SECTIONS.	LENGTH OF "E" OR TOP COURSE OF GRANITE UNDER COPING.
Canal street extended	145.62
Canal street.....	333.74
Spring street	139.92
Charlton street.....	406.74
Old King street	148.41
New King street.....	114.49
Lower Clarkson street.....	152.91
Houston street.....	109.89
Upper Clarkson street.....	102.51
Leroy street	561.46
Morton street	151.33
Christopher street	1,095.22
Total	3,462.24

Pier, new 45—An extension was built to the outer end of the pier by the force of the Department.

Perry Street Section—Extending from the middle of Pier, old 54, at the foot of Perry street, North river, to the southerly side of West Eleventh street, a distance of about 210 feet.

Under unanimous resolution of the Board of February 17, 1896, work was begun upon this section, and about 100 feet of wall built and put in use. By a change in the bulkhead line by the United States Government, the work became unnecessary and the section was removed.

Gansevoort Section—Extending from the northerly side of Pier, new 46, to the northerly side of the pier at Gansevoort street, North river, a distance of about 2,133.61 feet.

The improvement upon this section has been done in general accordance with the plan and proposition submitted in the Annual Report of 1880, and modified in accordance with the needs and requests of the lessees. The wall has been completed from Gansevoort street southerly to Perry street, a distance of about 1,755 feet. Filling has been placed and the marginal street paved.

This section includes new piers at West Eleventh, Bank, Bethune, Jane and Gansevoort streets, all of which have been completed. Sheds have been built upon the piers and bulkheads by the lessees.

Work was begun on the lower end of the section extending from Pier, new 47, northerly to join with the wall already built, and substantial progress has been made toward completion.

New Oyster Basin—The construction of the bulkhead-wall at the Gansevoort section necessitated the removal of the oyster scows from the old basin. The Board, by resolution of August 26, 1898, directed the Engineer-in-Chief to proceed with the removal of Pier, old 57, and with the construction of an extension to Pier, old 56½, North river, and with the construction of a new pier north of Bloomfield street on the new pier lines, and an extension thereto, to form a temporary oyster basin. The work was begun on September 6, 1898, and was completed during the year, and the oyster boats moved to their berths in the new basin.

Pier, Seventeenth Street, North River—A new pier has been constructed by the force of the Department.

Sections North of West Twenty-third Street.

The section north of West Twenty-third street on which the bulkhead or river wall has been completed, are as follows :

SECTIONS.	LENGTH OF "E," "D," OR TOP COURSE OF GRAN- ITE UNDER COPING.
West Twenty-third street, south end.....	1,229.64
West Twenty-third street, north end.....	615.42
West Thirty-first street.....	257.50
West Thirty-second street.....	515.00
West Thirty-third street.....	97.75
West Thirty-fourth street.....	198.75
Total.....	2,910.06

New-made Land at Piers, new 55, 56, 57, 58, 59 and 60, North River—The new-made land in the vicinity of these piers has been paved with granite blocks.

West Thirty-fourth Street Section—Extending from the end of the West Thirty-third Street Section to the northerly side of West Thirty-fourth street, a distance of about 198.75 feet. Work on this section was completed during the year.

Pier, Thirty-ninth Street—A new pier is in course of construction at the foot of this street under Contract No. 660.

West Forty-second Street Section—Extending from the southerly side of Forty-second street to the southerly side of Forty-third street, a distance of about 200 feet. The construction of the bulkhead-wall at this section was begun during the year under a resolution of the Board dated June 27, 1899, and the work is now in progress. The wall is being constructed so as to give a depth of 20 feet of water at the bulkhead.

West Forty-third Street Section Extended—Extending from the southerly side of Forty-third street to the northerly side of Forty-third street, a distance of 60 feet.

Negotiation, which had been pending for a number of years for the acquisition of the private interests in the Pier at the foot of Forty-third street, having been brought to a close by the initiation of condemnation proceedings, work on the section was begun in July, and is now in progress. The Pier at the foot of Forty-third street was removed.

West Forty-third Street Section—Extending from the northerly side of West Forty-third street to the northerly side of West Forty-fourth street, a distance of about 260.83 feet.

Length of "E" course of granite to date..... 232.20

The wall on this section was completed in 1894 from the northerly side of West Forty-fourth street as far southerly as it could be built until the Department was in possession of Pier at West Forty-third street. Work on the section was resumed during the year and is now in progress.

West Fifty-second Street Section (south end)—Extending from 83 feet 10 inches southerly of the southerly side of West Fiftieth street, northerly to the north side of West Fifty-first street, a distance of 404 feet 8 inches.

The wall was completed and put in use in 1891.

West Fifty-second Street Section (north end)—Extending from the northerly side of West Fifty-first street to the northerly line of West Fifty-fifth street, a distance of 1,043 feet 4 inches.

The wall at this section was completed in 1897.

West Fifty-seventh Street Section—Extending from the northerly side of West Fifty-fifth street to the southerly side of West Fifty-eighth street, a distance of 762 feet 6 inches.

The wall at this section was completed in 1893 and the Department yard was extended southerly to Fifty-sixth street upon the filling placed behind it.

The total continuous length of the bulkhead or river wall on West Fifty-second Street Section (south end), West Fifty-second Street Section (north end) and West Fifty-seventh Street Section is 2,210.46; all of which has been completed and is in use.

EAST RIVER.

Broad Street Section—Extending from the westerly side of Pier, old 4, East river, to the easterly side of Pier, new 7, a distance of about 722 feet.

The Board on the 22d of December, 1899, authorized the building of the wall at this section and the construction of two new piers, Nos. 4 and 5. Work will shortly be begun.

Catharine Section—Extending easterly from the easterly side of Catharine street a distance of about 177 feet.

Work on this section was begun and pushed ahead rapidly, the wall being completed as far as possible until the acquisition of further property. About 107 feet have been completed on the "E" or top course of granite.

Pier, Catharine Street—A new pier has been constructed at the foot of the street under Contract No. 645.

Rutgers Section—Extending from about 78 feet westerly of Pike slip easterly to the easterly line of Rutgers slip, a distance of about 870 feet.

Work on this section was begun during the year and rapid progress has been made.

Pier, new 34—A new wooden pier was built at the foot of Rutgers street under Contract No. 654.

Pier 48—This pier has been extended out to the pierhead-line of 1890 by the force of the Department.

Stanton Street Section—Extending from the south side of Rivington street to the north side of Stanton street, a distance of 557.21 feet, under unanimous resolution of the Board, March 1, 1893.

Pier, Eleventh Street, East River—The city having taken possession of the portions of the pier at the foot of the street, extensive repairs were made to the entire structure, the superstructure being removed above the vertical piling.

East Twenty-third Street Section—Extending from the southerly side of East Seventeenth street to the southerly side of East Twenty-fourth street, a distance of about 2,454.86 feet.

Under an unanimous resolution of the Board passed January 27, 1899, work on this section was begun and is still in progress. The section includes the two fernes at and near the foot of Twenty-third street. The type of the wall has been somewhat changed from that used at other sections.

The type of bulkhead-wall designed for this section is what is known as the modified wall of 1899, it being a modification of the Watts street type of bulkhead-wall. This type of wall will prevail over the entire section, with the exception of about 180 feet along that portion of the

bulkhead-wall on the northerly side of East Twenty-third street, with a return of about 25 feet northerly and southerly thereof. The section designed for this about 180 feet in length of the bulkhead-wall is a further modification of the modified wall of 1899, in that the relieving platform in the rear of the wall will be omitted, and in its stead three rows of piles on three feet transverse centres will be driven in the rear of the lower base block, and cut off at 15.62 feet below mean low water, or at the level of the foundation piles. Concrete en masse will be deposited around the heads of these piles.

Pier, Twentieth Street, East River—A new pier has been constructed at the foot of the street by the force of the Department, under a resolution of the Board February 11, 1898.

Pier, Twenty-second Street, East River—A new pier is being constructed at the foot of the street by the force of the Department, under a resolution of the Board July 10, 1899.

Sections between East Twenty-fourth and Twenty-eighth Streets.

Sections between East Twenty-fourth and East Twenty-eighth streets, inclusive, on which the bulkhead or river wall has been completed, are as follows :

SECTIONS.	LENGTH OF "E" OR TOP COURSE OF GRANITE UNDER COPING.
East Twenty-fourth street.....	340.60
East Twenty-fifth street.....	276.24
Bellevue.....	543.81
Total.....	1,160.65

Pier, Thirty-sixth Street, East River—A new wooden pier is in course of construction by the force of the Department under unanimous resolution of the Board October 20, 1899.

East Ninety-first Street Section—Extending from the southerly side of East Ninety-first street to the northerly side of East Ninety-second street, a distance of about 376 feet.

Length of "E" course of granite to date 260.54 feet.

Work was begun upon this section in 1894, under resolution of Board of May 25, 1893, and the wall was built across the foot of East Ninety-first street, when it was suspended on account of chapter 478 of the Laws of 1894.

Work was resumed in July, 1895, under resolution of the Board June 20, 1895.

The wall is now built to the southerly of the Astoria ferry, at East Ninety-second street and the filling behind it has been completed.

East Ninety-fourth Street Section—Extending from the southerly side of East Ninety-fourth street to the northerly side of East Ninety-fifth street, a distance of 373.08 feet.

This section and the piers at East Ninety-fourth and East Ninety-fifth streets have been in commercial use.

East Ninety-sixth Street Section—Extending from the southerly side of East Ninety-sixth street to the middle of the block between East Ninety-sixth and East Ninety-seventh streets, a distance of about 200.92 feet.

This section and the Pier at East Ninety-sixth street are in commercial use.

East Ninety-ninth Street Section—Extending from the southerly side of East Ninety-ninth street to the northerly side of East One Hundredth street, a distance of about 365 feet.

Length of "E" course of granite to date 316.97 feet.

This section was begun in 1893 at the northerly side of East One Hundredth street, and the wall was built far enough to the southward to permit filling and the building of a pier at the foot of East One Hundredth street in 1894. The filling also was put in as far as possible.

The New York and College Point Ferry Company having removed their ferry structures, the work on this section, which had been suspended, was resumed on November 16, 1898, and has been carried on during the year. Filling has been received and graded in the rear of the wall, and the section is now nearly completed.

HARLEM RIVER.

East One Hundred and Second Street Section—Extending from the southerly side of East One Hundred and First street to the northerly side of East One Hundred and Fourth street, a distance of 848.65 feet; south end 134.70 feet in length; north end 703.95 feet.

This section has been in commercial use.

East One Hundred and Tenth Street Section—Extending from the southerly side of East One Hundred and Seventh street to the northerly side of East One Hundred and Tenth street, a distance of 855.86 feet.

Length of "E" course of granite to date 750.85 feet.

The wall on this section was substantially completed in 1892.

East One Hundred and Sixteenth Street Section—Extending from the southerly side of East One Hundred and Sixteenth street to the northerly side of said street, a distance of about 109 feet.

Under unanimous resolution of the Board, passed May 29, 1896, 108.88 feet of the wall has been built and completed on this section, which extends across the foot of the street.

This section includes a pier at the foot of East One Hundred and Sixteenth street, the pier and bulkhead being built for the use of the Manhattan State Hospital.

East One Hundred and Twenty-fifth Street Section—Extending from the southerly side of East One Hundred and Twenty-fifth street to a point 25 feet northerly of the northerly line of One Hundred and Twenty-fifth street, and westerly to the angle of the bulkhead-line northerly of East One Hundred and Twenty-fifth street, a distance of 367.27 feet.

The section was substantially completed in 1893 and has been in commercial use since that time.

SHERMAN'S CREEK.

On the westerly or Manhattan side of the Harlem river, at about Two Hundredth street, there is a creek making into the island about 1,500 feet from the westerly channel line of the Harlem river, as determined by the United States authorities.

A new plan for the improvement of this section of the water-front was determined by the Department of Docks on March 29, 1894, and approved by the Commissioners of the Sinking Fund on November 20, 1895. This plan provides for a basin 345 feet wide and 1,400 feet long, with bulkhead and piers having 7,271 feet of wharfage room, and having a capacity as a basin for 250 canal boats. A stretch of 1,467 feet of the cribwork has been built in former years, and is now in commercial use.

WORK OF CONSTRUCTION NOT UNDER "NEW PLAN."

EAST RIVER.

Between Eightieth and Eighty-first Streets, East River—A new crib-bulkhead is being constructed between these streets under Contract No. 663 for the use of the Street Cleaning Department.

Ninety-ninth Street, East River—A platform has been built at the foot of the street for the use of the Fire Department.

Pier, Fordham Road, Harlem River—A new pier is in course of construction in this vicinity under Contract No. 661.

Blackwell's Island—A new dock was built on the easterly side of Blackwell's Island under Secretary's Order No. 19373, and a platform constructed at the Almshouse dock under Secretary's Order No. 18830 for the Department of Public Charities.

HARLEM RIVER.

One Hundred and Thirty-eighth Street, west of Gerard Avenue—Filling is being deposited on the easterly side of Harlem river in the vicinity of the above premises by John Cromwell under permit of the Board.

One Hundred and Forty-fourth Street, east side of Harlem River—Filling is being deposited in this vicinity by Jordan L. Mott, under permit of the Board.

One Hundred and Forty-seventh Street—The area from the northerly side of One Hundred and Forty-seventh street to the southerly side of One Hundred and Fiftieth street, and for a distance of 232 feet westerly of Lenox avenue is being filled in to grade of five feet above high water by John D. Crimmins under permit of the Board.

Morris Heights—Considerable work has been done at the premises of the Gas Engine and Power Company at Morris Heights.

BOROUGH OF BROOKLYN.

Wallabout Improvement—Under a contract with Augustin Walsh, a bulkhead wall with appurtenances along east side of the Wallabout basin was completed during the year, and filling has been placed behind it.

Piers, new 1 and 2, Wallabout Basin—These two piers have been in course of construction during the year and are approaching completion.

GENERAL REPAIRS.

Extensive repairs have been made to piers, bulkheads, etc., during the year covered by this report. A detailed statement of them is given in the appendix.

RECREATION BUILDINGS.

The recreation buildings on the North, East and Harlem rivers were all cared for and maintained.

Work has been in progress on the completion of the recreation building at North Second street, Brooklyn, under Contract No. 631.

FLOATING PROPERTY.

A full list of floating property will be found in the appendix.

One pile driver, No. 1, was condemned and destroyed.

The 12-ton derrick No. 1, has been converted into a 40-ton derrick, under an unanimous resolution of the Board November 11, 1898.

A new launch has been purchased for the use of the Department.

Plans, specifications and form of contract were prepared for constructing a new steel propeller, and work is well under way under Contract No. 651.

SURVEYING FORCE.

During the year the routine work of the Surveying Party has been attended to, which consisted in the giving of lines and grades for the construction of the bulkhead or river wall, in course of construction at the various Sections on the North and East rivers; also, for the construction of new piers and crib-bulkheads, laying of pavement, and for all work of general repairs done by the Department, either by contract or by day's work, by the force of the Department.

Lines and grades have also been given for the construction of the wall and of new piers in the Wallabout Basin, Borough of Brooklyn.

In connection with the above work it was necessary to frequently verify base lines and bench marks, and also establish new bench marks.

The quantities of sand, broken stone, rip-rap and cobble used by the Department in its work of construction have been measured and calculated.

All dredging done by lessees, owners and others, under a permit from the Board has been supervised, and a record kept of the depth made; a detailed report of same is given in the appendix.

Soundings have been taken for the purpose of estimating the amount of dredging required, and rod soundings have been frequently taken in connection with same.

I submit herewith a tabulated statement showing the number of soundings taken over the water-front under the jurisdiction of this Department in order to ascertain the depth of water existing thereat, and to maintain the Department's record. Rod soundings were taken for the purpose of ascertaining the nature of the river bottom.

	DISC SOUNDINGS.	SLIPS.	ROD SOUNDINGS.	SLIPS.
North river	60,500	408	8,200	63
East and Harlem rivers	85,400	442	13,180	- 78
Borough of The Bronx	10,500	73	30	1
Borough of Brooklyn	14,500	89	.....	.....
Borough of Queens	8,000	59	.....	.....
Borough of Richmond	7,800	47	.....	.....

Surveys, soundings and estimates have been made, and base lines established for construction, and for improvements proposed at the Broad Street Section, from Battery to Wall street, at Rutgers Section, East river; and from One Hundred and Twenty-ninth to One Hundred and Thirty-fourth streets, North river.

Surveys have been made to trace and define City water-front property at Throgg's Neck, Borough of The Bronx, and at Canarsie, in Jamaica Bay, Borough of Brooklyn.

Surveys have been made for the purposes of construction, and revisions and corrections, necessary to keep the Department's maps and records up to date, on account of new building, repairs, changes, etc., along the water-front.

In the Borough of Manhattan—125,000 linear feet of water-front have been surveyed, and 19,000 linear feet of base line established or verified.

In the Borough of The Bronx—A new survey of the water-front and to define the line of mean high water is in progress from Port Morris to West Farms. In connection with this survey nine and one-quarter miles of water-front have been surveyed, five miles of base line established and eleven miles of transit and secondary base lines have been run.

In compliance with the provisions of the new Charter accurate and extensive surveys are in progress over the entire water-front in the boroughs of Brooklyn, Queens and Richmond.

In the Borough of Brooklyn—18 miles of water-front were surveyed and 11 miles of base line established during the year. This makes a total of 88 miles of water-front surveyed, 33 miles of base line established and 111 miles of transit and secondary base line run since the commencement of the survey.

In the Borough of Queens—14 miles of water-front were surveyed and 8 miles of base line established during the year. This makes a total of 31 miles of water-front surveyed, 16 miles of base line established and 46 miles of transit and secondary base line run since the commencement of the survey.

In the Borough of Richmond—14 miles of water-front were surveyed and 7 miles of base line established during the year. This makes a total of 17 miles of water-front surveyed, 12 miles of base line established and 31 miles of transit and secondary base line run since the commencement of the survey.

Twenty-one continuous automatic tide gauges have been maintained in the various boroughs as outlined below :

In the Borough of Manhattan, at

Pier "A," North river.
West Fifty-seventh street Yard, North river.
West One Hundred and Thirty-second street, North river
Broadway Bridge, Harlem river (Kingsbridge).
East Twenty-fourth street Yard.
East One Hundred and Twelfth street, Harlem river.
Third Avenue Bridge, Harlem river.
Eighth Avenue Bridge, Harlem river.

In the Borough of The Bronx, at

Morris Heights, Harlem river.
Clason's Point, East river.
Pelham Bay Bridge.

In the Borough of Queens, at

Grand Street Bridge, Newtown Creek.
Flushing, Flushing Bay.

In the Borough of Brooklyn, at

Vernon Avenue Bridge, Newtown Creek.
Union Street Bridge, Gowanus Canal.
Foot of Forty-third street, South Brooklyn.
Bath Beach, Gravesend Bay.
Coney Island, Coney Island Creek.
Canarsie, Jamaica Bay.

In the Borough of Richmond, at

Mariner's Harbor, Kill von Kull.
Tottenville.

DEPARTMENT YARDS.

West Fifty-seventh Street Yard—10,021 barrels of Portland cement have been received at this yard for the work of the Department, 199 base blocks for bulkhead or river wall, containing nearly 3,469.35 cubic yards of concrete, have been built at this yard. Various stores and supplies have been received and issued as usual, and a large number of tests have been made on the Department testing machine. The yard has been maintained in good order and condition.

East Twenty-fourth Street Yard—9,024¾ barrels of Portland cement were received and stored for the Department use. Granite has been received and issued under various contracts. Stores and supplies have been received and issued as necessary, and the yard has been maintained in good order and condition. 189 base-blocks for the bulkhead or river wall have been built at this yard.

Timber Basin—The timber furnished under various contracts has been received, issued and inspected at the timber basin.

I submit herewith an appendix containing—

A summary of the work of construction under "New Plan."

A summary of the work of construction not under "New Plan."

A summary of the work of "General Repairs."

A schedule of "Floating Property."

- A summary of the work at the Department Yards.
- A statement of granite on hand, received and issued.
- A summary of work done for other Departments.
- A summary of work done for, and at the expense of, alleged owners, lessees and others.
- A summary of work done in Draughtsmen's room, office of the Engineer-in-Chief.
- A list of contracts under which work has been done during the year.
- A list of the forms of contracts and specifications submitted to the Board of Docks during the year.
- A statement in detail of the dredging done by the Department of Docks during the year.
- A table of the dredging done by lessees or owners during the year by order, or under permit, of the Board of Docks.
- A full statement of the work done by lessees and owners of piers and bulkheads, and by others by order, or under permit, of the Board of Docks and under my general supervision.
- A table of wharfage room made by the Department during the year.
- A table of wharfage room made during the year by private parties, under permit of the Board of Docks.

NEW BULKHEAD AND PIERHEAD LINES.

By Act of Congress of August 11, 1888 (section 12), the Secretary of War is authorized to cause bulkhead and pierhead lines to be established in harbors of the United States. Under this law a Board of United States Engineers was organized to fix the lines in the harbor of New York and adjacent waters. The actions of this Board regarding the bulkhead and pierhead lines in New York City are fully recorded in the Annual Report for 1898.

During the year 1899 the following changes have been made :

On March 10, 1899, the Board of Docks made application for a modification of the pierhead-line between East Twenty-third and East Twenty-fourth streets, East river. The report and the map accompanying it were approved by the Hon. Secretary of War on April 17, 1899.

On the application of the New York, New Haven and Hartford Railroad Company, a modification in the pierhead-line between Truxlow and Cabot streets, in the Borough of The Bronx, was approved by the Hon. Secretary of War April 19, 1899.

On April 28, 1899, this Board submitted a proposed change in the pierhead-line and bulkhead-lines at Riker's Island, East river. These plans were approved by the Hon. Secretary of War May 15, 1899.

On November 4, 1898, this Board submitted a modified plan of the pierhead-line between East Thirty-second and East Fifty-fourth streets, East river. This plan has not been approved as yet by the Secretary of War on account of the Man-of-War rock in the East river.

Changes in Pier-lines and in New Plan.

On the North river—The lines of Piers, new 16 and new 17, were changed by the Board of Docks January 20, 1899, and approved by the Commissioners of the Sinking Fund January 20, 1899.

On the East river—The New Plan, between Catharine and Montgomery streets, as established in 1871, was changed by the Board of Docks December 30, 1898, and approved by the Commissioners of the Sinking Fund February 3, 1899.

The New Plan, between the Barge Office and Wall street, East river, as established in 1871, was changed by the Board of Docks November 3, 1899, and approved by the Commissioners of the Sinking Fund December 6, 1899.

The length built of the City's bulkhead or river wall on the North river for the year is 603 feet ; on the East river 506 feet ; 325 feet were built at the cost and expense of private parties, making a total of 1,434. 287 linear feet of river wall have been built by private parties, making a grand total of river wall built during the year of 1,721 linear feet.

The total length of bulkhead or river wall completed on the granite course under the coping is as follows :

On the North river	16,082 feet.
On the East river	3,222 "
On the Harlem river	2,072 "
Wallabout Basin	2,755 "
Total	<u>22,640 feet.</u>

Of this amount 723 feet have been built by private parties. Three new piers have been built on the North river and three piers extended. On the East river three new piers have been built and one extended. Two new platforms have been built. In the Wallabout Basin, Brooklyn, two new piers have been built.

The total new wharfage room made during the year by the City and private parties is about 31,539 feet, with a net increase of wharfage room of about 16,003 feet, and the superficial area of the piers has been increased 350,000 square feet.

I submit herewith maps showing the extent and location of work completed, contemplated or in progress during the year 1899 under New Plan construction.

Very respectfully, your obedient servant,

J. A. BENSEL, Engineer-in-Chief.

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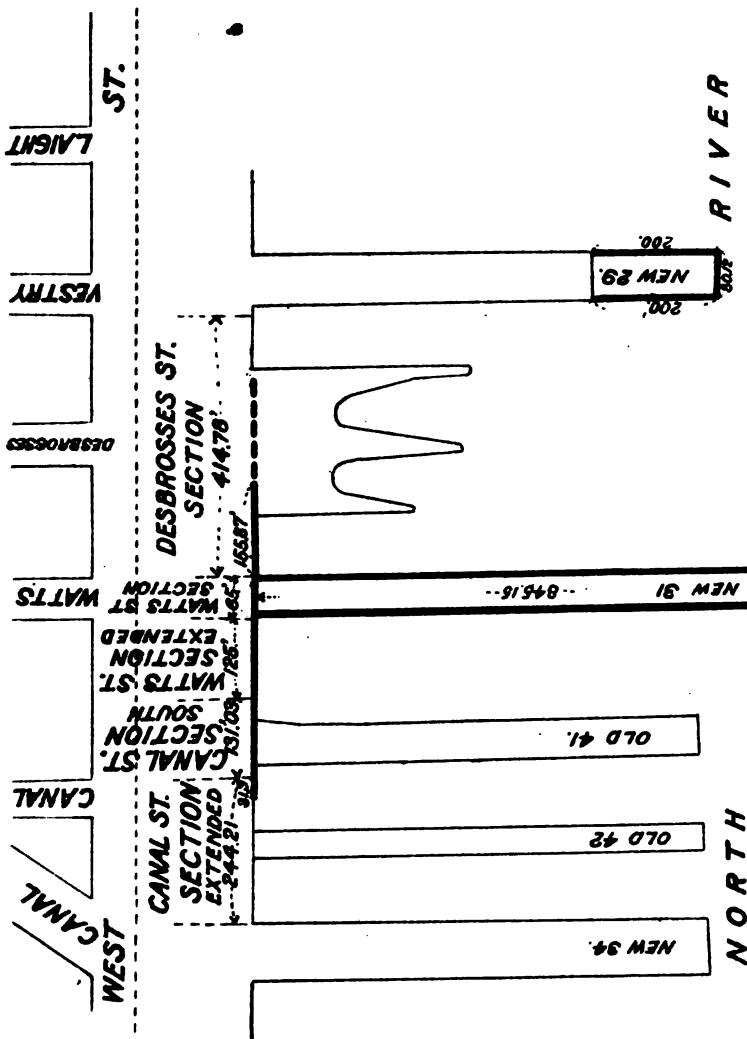
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Note:--
 Heavy full lines indicate piers & bulkhead wall completed during 1899.
 Heavy dotted " " work in progress.

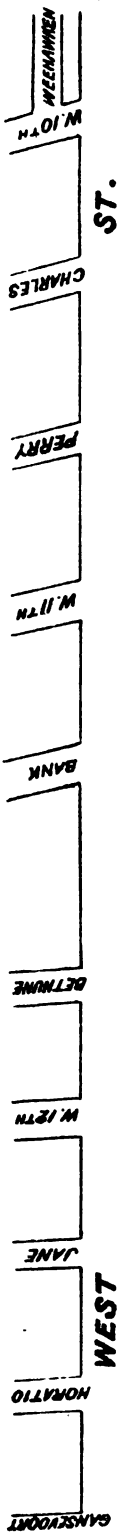
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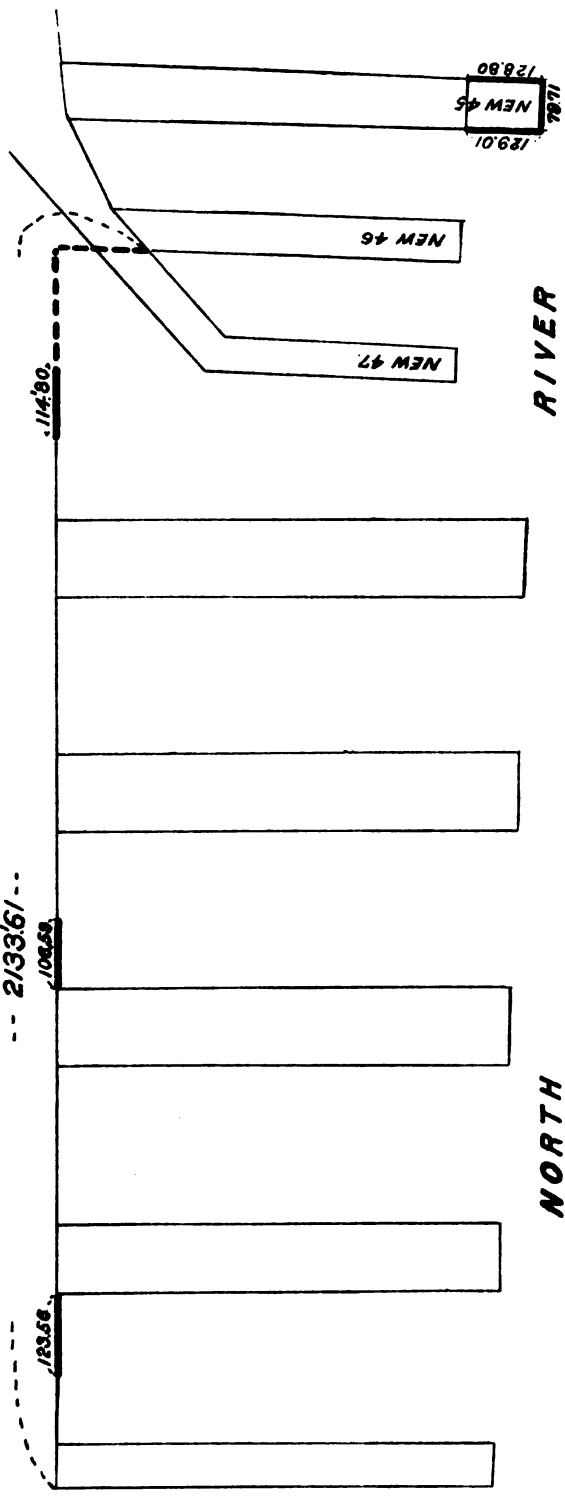
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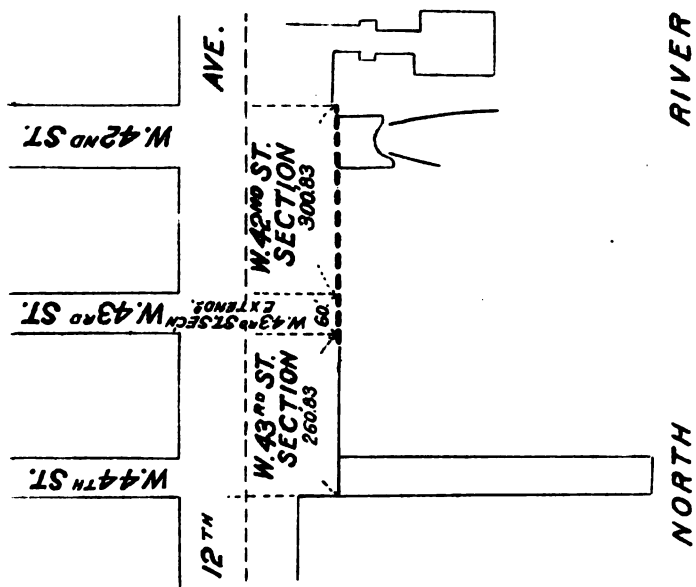
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Note:-

Heavy full lines indicate piers & bulkhead wall completed during 1899.

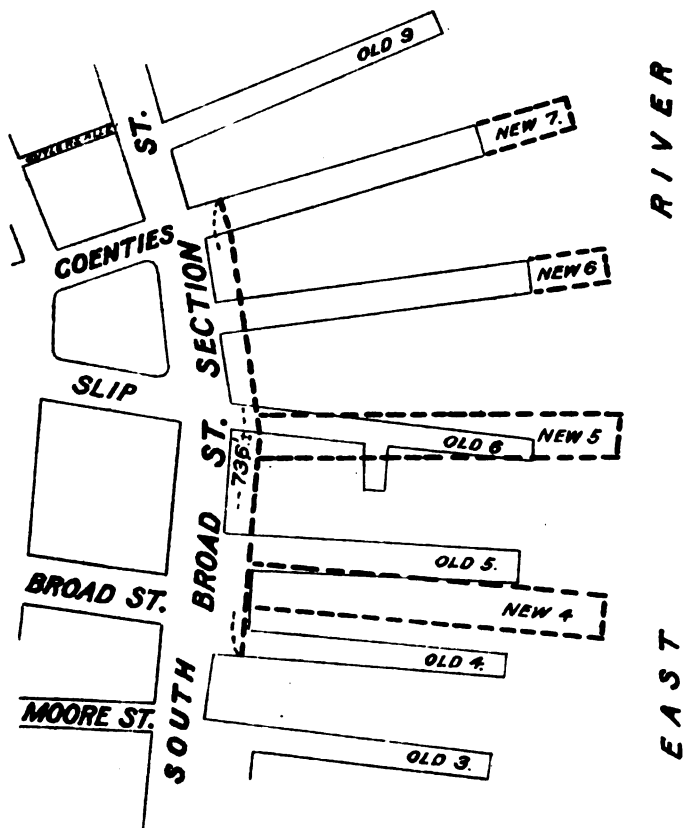
Heavy dotted " " work in progress.

SCALE, 1/INCH = 300 FEET.



Note:
 Heavy dotted lines indicate bulkhead wall in progress, 1899.

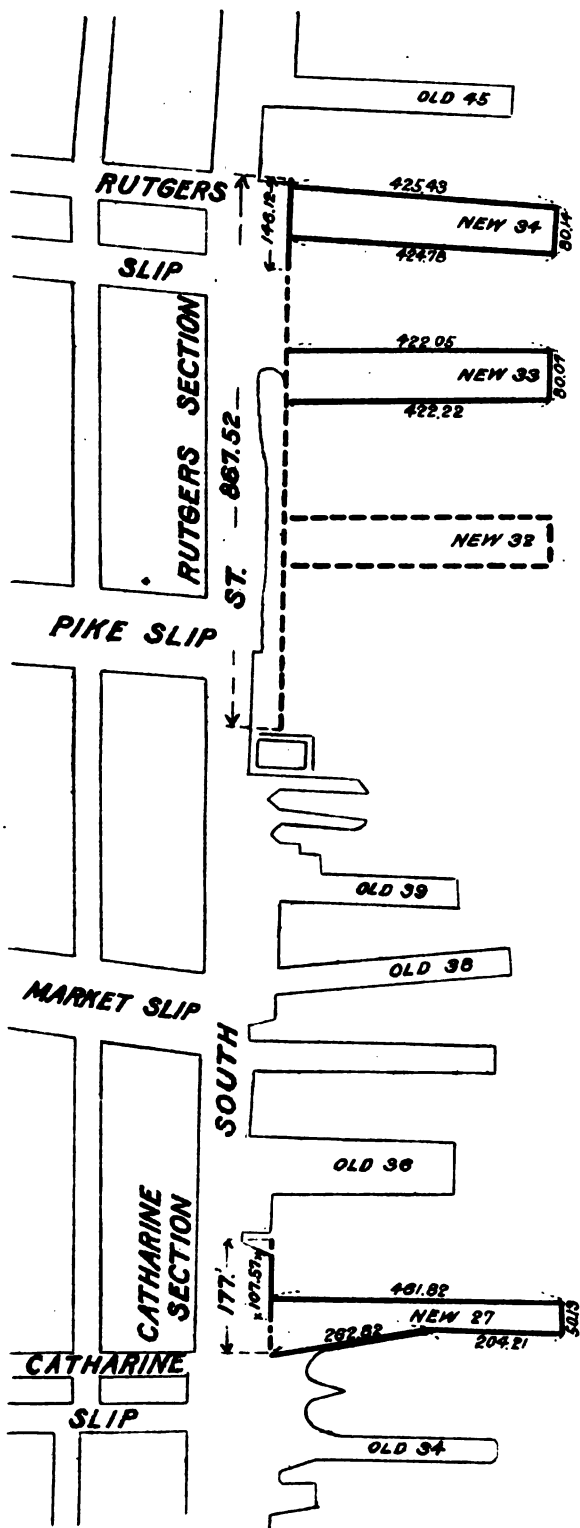
SCALE, 1/INCH = 300 FEET.



Note:-

Heavy dotted lines indicate work in progress, 1899.

SCALE, 1 INCH = 300 FEET.



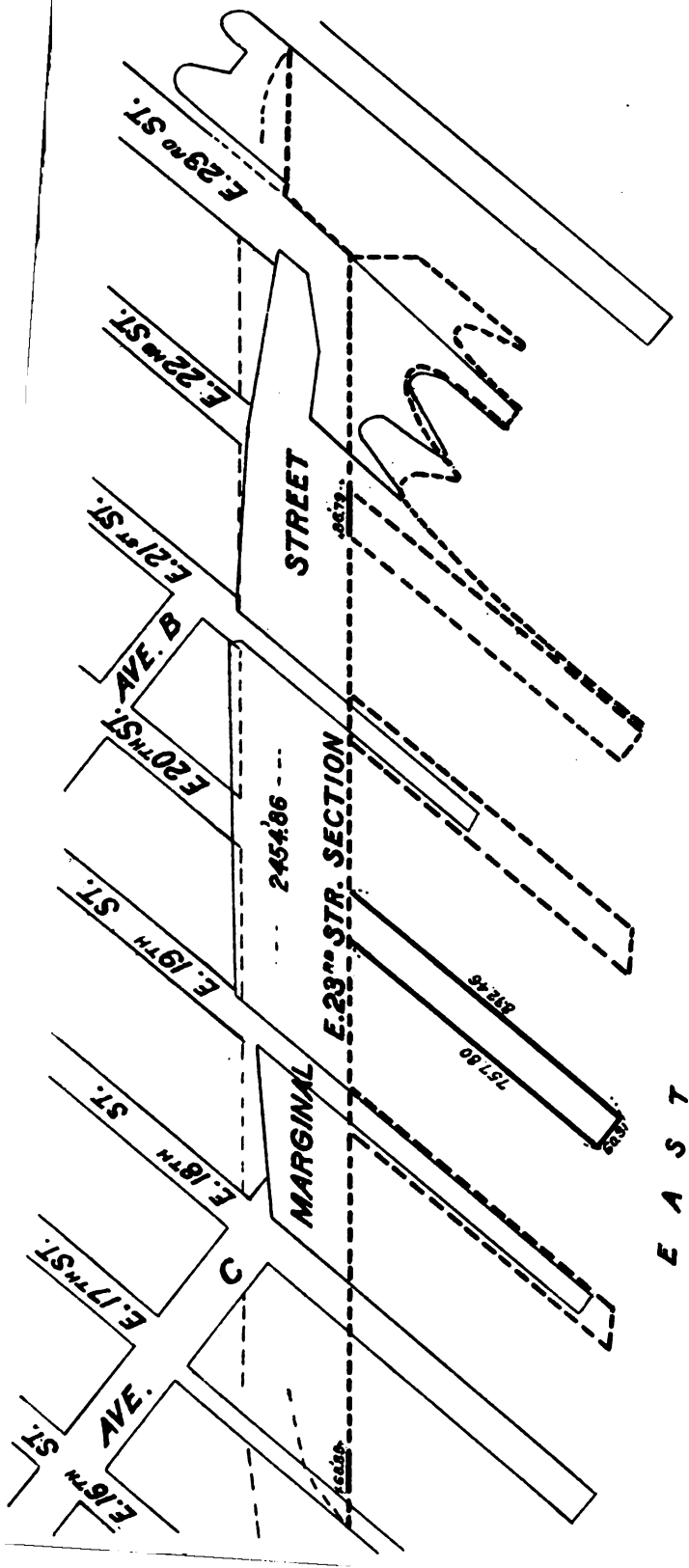
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Note:-

Heavy full lines indicate piers & bulkhead wall completed during 1899.
Heavy dotted " " work in progress.

SCALE, 1 INCH = 300 FEET.



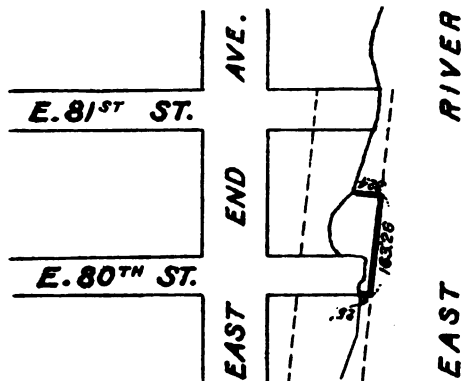
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SCALE, 1 INCH = 300 FEET.

Note :-

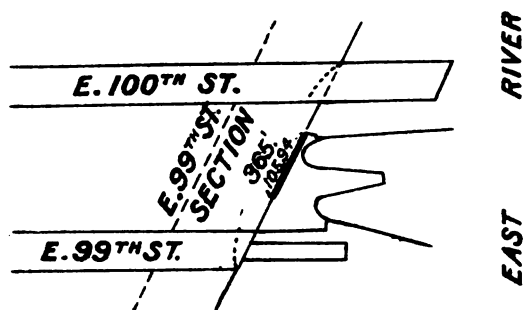
Heavy full lines indicate piers & bulkhead wall completed during 1899.
 Heavy dotted " " work in progress.



Note:-

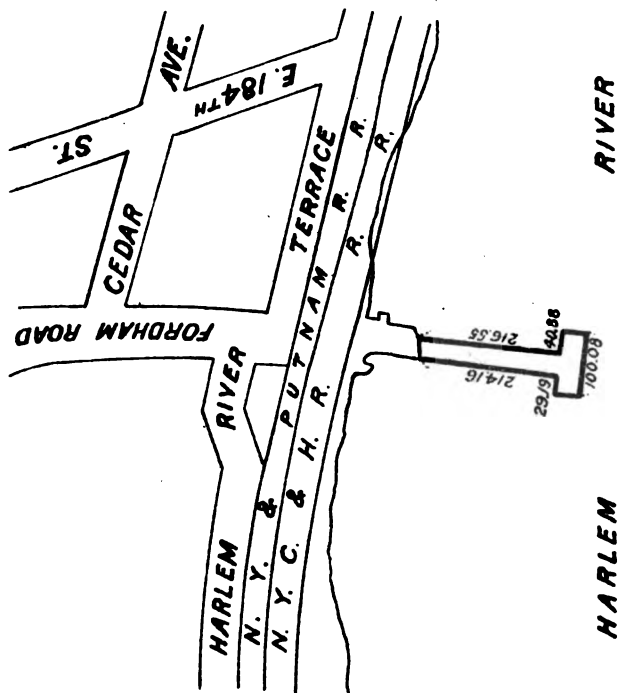
Heavy full lines indicate crib bulkhead completed during 1899.

SCALE, 1 INCH = 300 FEET



*Note :-
Heavy full lines indicate bulkhead wall completed during 1899.*

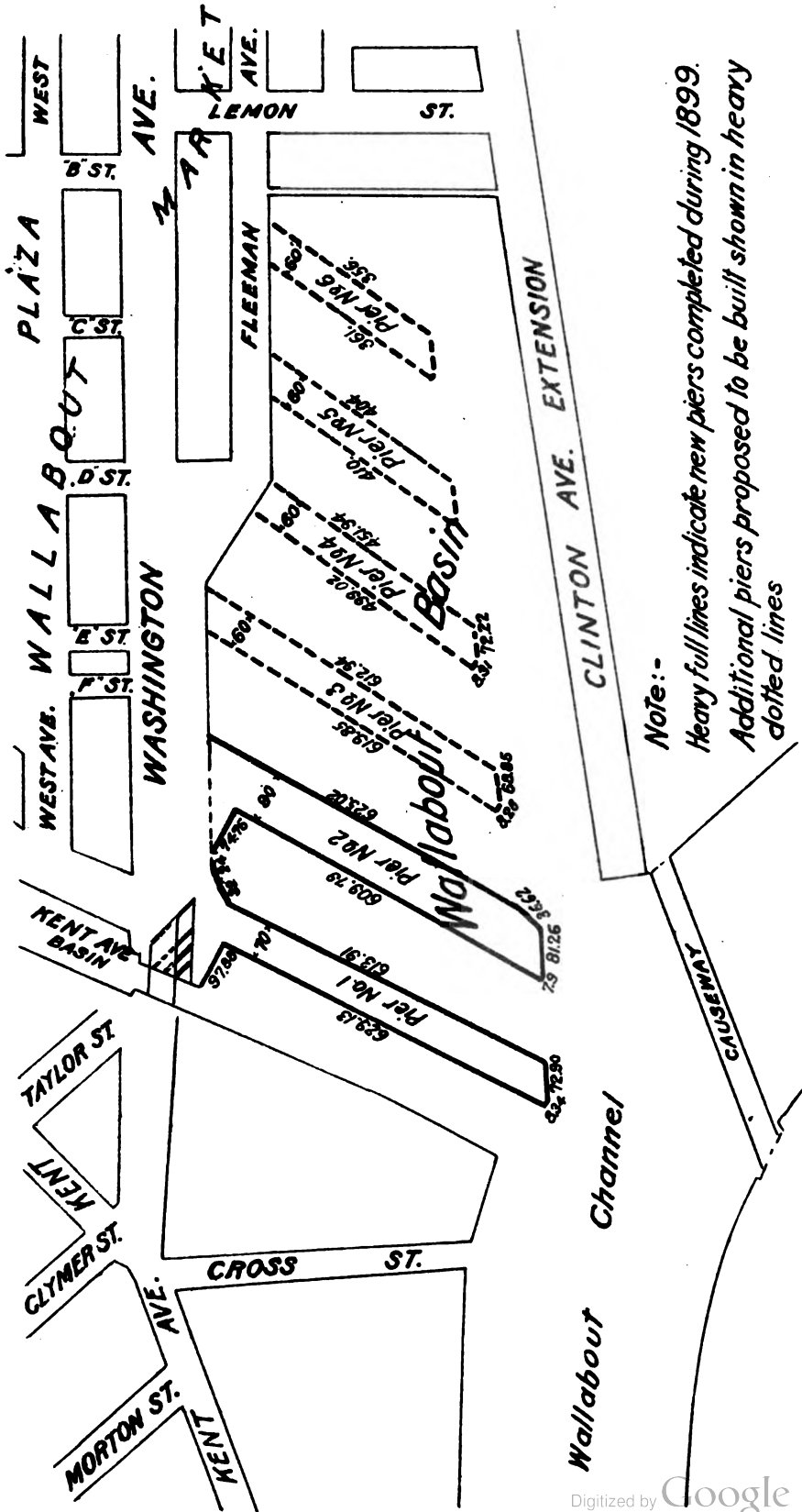
SCALE, 1 INCH = 300 FEET.



*Note:-
Heavy full lines indicate pier completed during 1899.*

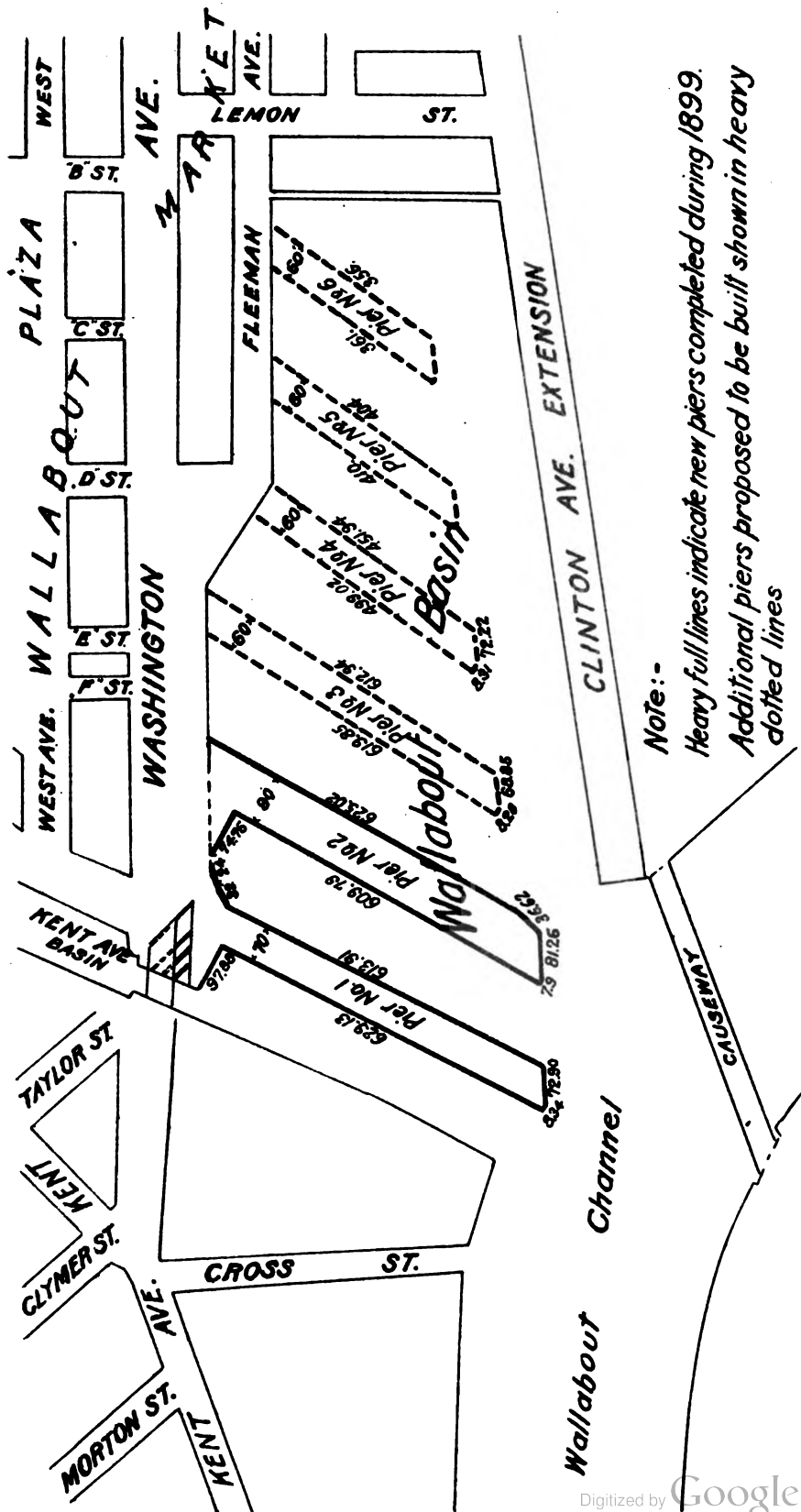
SCALE, 1/16 INCH = 300 FEET.

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Note:-

Heavy full lines indicate new piers completed during 1899.
Additional piers proposed to be built shown in heavy dotted lines



Note:-

Heavy full lines indicate new piers completed during 1899.
 Additional piers proposed to be built shown in heavy dotted lines

Construction under "New Plan."

APPENDIX.

SUMMARY OF THE JOURNAL OF THE WORK FOR THE YEAR ENDING DECEMBER 31, 1899.

WORK OF CONSTRUCTION UNDER THE NEW PLAN.

NORTH RIVER WATER-FRONT.

BARCLAY STREET SECTION, EXTENDED.

Resolution of the Board, December 30, 1897.

BULKHEAD-WALL PROPER.

Stone Filling.

January 21 to September 25, 1899.—Cobble—1,474 cubic yards of cobble were deposited on wall foundation, by Murray & Co. and Brown & Fleming, under Treasurer's Orders Nos. 19768 and 20135.

January 3 to September 14, 1899.—Rip-rap—2,861 cubic yards of rip-rap were deposited in front and rear of wall foundation by Murray & Co. and Brown & Fleming, under Treasurer's Orders Nos. 19707, 19796, 19858 and 20086.

Piling and Woodwork.

January 4 to September 5, 1899.—Vertical Piles—137 vertical piles were driven, regulated and stay-lathed to place.

January 16 to August 21, 1899.—Bracing Piles—23 bracing piles were driven and regulated.

January 23 to October 5, 1899.—Sawing Piles—Piles driven in wall foundation were sawed off to grade.

January 18 to August 17, 1899.—Binding Frames—Three binding frames were made, sunk and secured to place.

January 25 to September 14, 1899.—Longitudinal Capping—Bracing piles were regulated for and 160.6 linear feet of capping was placed.

January 23 to October 13, 1899.—Transverse Capping—Vertical piles were regulated for and 23 caps were placed.

January 30 to October 13, 1899.—Cap Decking—Deck was placed on caps in rear of masonry.

Masonry.

February 4 to September 11, 1899.—Base Blocks and Mattresses—Mattresses were prepared for and five and one-half concrete blocks were set in the wall. Joints between blocks were calked.

Construction under "New Plan."

February 20 to September 11, 1899.—Chain-holes—Chain-holes in the concrete blocks were filled with concrete in bags.

January 3 to November 8, 1899.—Granite—Stones were cut and 157½ pieces of granite were set in the wall.

January 5 to November 8, 1899.—Concrete Backing—Mould boards were placed and 405 batches of concrete were made and placed in rear of the granite set.

April 3 to November 11, 1899.—Coping—Stones were cut and 10 pieces of coping were set on the "E" course of granite.

April 1 to 17, 1899.—Pointing—654 linear feet of joints in the granite were pointed.

April 11 to 19, 1899.—Backing-logs—Backing-logs were placed on the coping of wall.

Recapitulation of Work Done and To Be Done on the Bulkhead-wall, Barclay Street Section, Extended, in Linear Feet.

Length of Section, 139.07 feet.

	COMPLETED WORK.		WORK TO BE COMPLETED.
	1899.	Total to Date.	
Dredging.....	14.07	139.07	.....
Stone Filling—Cobble.....	79.07	139.07	.....
" Rip-rap.....	79.07	139.07	.....
Piling and Woodwork—Vertical piles.....	50.07	139.07	.....
" Bracing piles.....	61.07	139.07	.....
" Binding frames.....	67.07	139.07	.....
" Sawing piles.....	62.57	139.07	.....
" Longitudinal capping.....	73.07	139.07	.....
" Traverse capping.....	74.57	139.07	.....
" Cap decking.....	74.57	139.07	.....
Masonry—Base blocks.....	66.00	139.07	.....
" Chain-holes.....	66.00	139.07	.....
" AB Course granite.....	139.07	139.07	.....
" C Course granite.....	139.07	139.07	.....
" D Course granite.....	139.07	139.07	.....
" E Course granite.....	139.07	139.07	.....
" Concrete backing.....	139.07	139.07	.....
" Coping.....	89.57	89.57	.....
" Backing-logs.....	89.57	89.57	.....
" Pointing.....	139.07	139.07	.....
Work actually completed.....	139.07	139.07	.....

GENERAL CHARGE.

January 30 to May 24, 1899.—Pier, old 25—Rebuilding inner end of pier and approach to same.

Construction under "New Plan."

January 3 to September 27, 1899.—Removing Old Work—Platform in rear of wall was removed.

January 2 to October 16, 1899.—Earth-filling—Secretary's Order No. 18417—Filling was placed in rear of wall by the New York Central and Hudson River Railroad Company.

PARK PLACE SECTION.

Resolution of the Board, December 30, 1897.

BULKHEAD-WALL PROPER.

Stone Filling.

July 5 to November 16, 1899.—Cobble—3,583 cubic yards of cobble were deposited on wall foundation by Brown & Fleming and Murray & Co., under Treasurer's Orders Nos. 19823, 20030, 20135 and 20217.

July 10 to November 22, 1899.—Rip-rap—3,337 cubic yards of rip-rap were deposited in front and rear of wall by Brown & Fleming and Murray & Co., under Treasurer's Order Nos. 20023, 20086 and 20217.

Piling and Woodwork.

August 1 to October 24, 1899.—Vertical Piles—467 vertical piles were driven, regulated and stay-lathed to place.

August 21 to October 11, 1899.—Bracing Piles—49 bracing piles were driven, and regulated.
August 24 to November 16, 1899.—Sawing Piles—Piles driven in wall foundation were sawed off to grade.

August 7 to October 10, 1899.—Binding Frames—Two binding frames were made, sunk and secured to place.

September 7 to October 20, 1899.—Longitudinal Capping—312 linear feet of capping placed; bracing piles were regulated.

September 26 to November 29, 1899.—Transverse Capping—Vertical piles were regulated for and 46 caps were placed.

October 14 to November 25, 1899.—Cap Decking—Deck was placed on caps in rear of masonry.

Masonry.

September 7 to October 31, 1899.—Mattresses were prepared for and 13½ concrete blocks were set in the wall. Joints between blocks were calked.—Base Blocks and Mattresses

September 12 to October 30, 1899.—Chain-holes—Chain-holes in the concrete blocks were filled with concrete in bags.

November 2 to December 11, 1899.—Granite—Stones were cut and 188½ pieces of granite were set in the wall.

November 2 to December 11, 1899.—Concrete Backing—414 batches of concrete were made and placed in rear of the granite set.

November 9 to December 13, 1899.—Coping—Stones were cut and 17 pieces of coping were set on the "E" course of granite.

November 16 to December 26, 1899.—Pointing—1,042 linear feet of joints in the granite were pointed.

Backing-logs—December 28 to 30, 1899.—Backing-logs were placed along coping on wall.

Construction under "New Plan."

*Recapitulation of Work Done and to be Done on the Bulkhead-wall, Park Place Section, in Linear Feet.*Length of Section, 22⁶.24 feet.

	COMPLETED WORK.		WORK TO BE COMPLETED
	1899.	Total to Date.	
Dredging.....	150.64	226.24	.....
Stone Filling—Cobble.....	165.64	226.24	.....
" Rip-rap.....	165.64	226.24	.....
Piling and Woodwork—Vertical piles.....	159.64	226.24	.....
" Bracing piles.....	163.64	226.24	.....
" Binding frames.....	165.64	226.24	.....
" Sawing piles.....	162.64	226.24	.....
" Longitudinal capping.....	160.64	226.24	.....
" Transverse capping.....	163.84	226.24	.....
" Cap Decking.....	166.64	226.24	.....
Masonry—Base blocks.....	165.86	226.24	.....
" Chain-holes.....	165.86	226.24	.....
" AB course granite.....	168.39	226.24	.....
" C course granite.....	173.61	226.24	.....
" D course granite.....	177.08	226.24	.....
" E course granite.....	181.63	226.24	.....
" Concrete backing.....	181.63	226.24	.....
" Coping.....	131.73	171.61	.....
" Backing-logs.....	136.01	171.61	.....
" Pointing.....	186.36	226.24	.....
Work actually completed.....	186.36	226.24	.....

GENERAL CHARGE.

April 1 to December 30, 1899.—Pier, old 27—Building approach to connect with pier and rebuilding inner end of pier

December 20 to 29, 1899.—Temporary Approach—Building roadway across earth-filling.

April 17 to December 1, 1899.—Removing old work—Inner end of Pier, old 27, shed and platform in rear of wall were removed.

January 3 to December 30, 1899.—Earth Filling—Secretary's Order No. 18417—Filling was placed in rear of wall by the New York Central and Hudson River Railroad Company.

Extension to Pier, new 26.

Resolution of the Board, June 9, 1899.

September 26 to December 30, 1899.—Building extension to the outer end of pier—4,290 cubic yards of rip-rap were deposited over area of extension by Brown & Fleming under Treasurer's Orders Nos. 20217 and 20302.

Construction under "New Plan."

Extension to Pier, new 29.

Resolution of the Board, January 6, 1899.

March 23 to August 10, 1899.—Building extension to the outer end of pier—744 cubic yards of rip-rap were deposited over area of extension by Brown & Fleming under Treasurer's Orders Nos. 19858 and 20023.

DESBROSSES STREET SECTION.

Secretary's Order No. 14305.

January 3 to December 30, 1899.—Building section of wall from south line of Watts street, south, filling in behind same, and rebuilding ferry premises at Desbrosses street by the Pennsylvania Railroad Company.

Secretary's Order No. 18575.—February 21 to March 3, 1899—Mattresses were prepared for and nine concrete blocks were set in the wall for Henry D. Steers.

Secretary's Order No. 19580.—October 30 to November 10, 1899—Mattresses were prepared for and eight lower and eight upper course concrete blocks were set in the wall for Henry Steers, Jr.

WATTS STREET SECTION.

Resolution of the Board, June 17, 1898.

BULKHEAD-WALL PROPER.

Stone Filling.

February 4 to March 4, 1899.—Cobble—72 cubic yards of cobble were deposited on wall foundation by Murray & Co. under Treasurer's Order No. 19768.

January 27 to April 22, 1899.—Rip-rap—1,556 cubic yards of rip-rap were deposited in front and rear of wall foundation by Murray & Co. and Brown & Fleming, under Treasurer's Orders Nos. 19707 and 19858.

Piling and Woodwork.

January 3 to March 1, 1899.—Vertical Piles—94 vertical piles were driven, regulated and stay-lathed to place.

January 6 to 20, 1899.—Bracing Piles—16 bracing piles were driven and regulated.

January 9 to March 1, 1899.—Sawing Piles—Piles driven in wall foundation were sawed off to grade.

January 23 to 27, 1899.—Longitudinal Capping—Bracing piles were regulated for and 71.6 linear feet of capping was placed.

January 23 to March 31, 1899.—Transverse Capping—Vertical piles were regulated for and eighteen caps were placed.

March 31 to May 25, 1899.—Cap Decking—Deck was placed on caps in rear of masonry.

Masonry.

March 16 to 29, 1899.—Base Blocks and Mattresses—Mattresses were prepared for and eight lower and eight upper course concrete blocks were set in the wall.

March 25 to 29, 1899.—Chain-holes—Chain-holes in the concrete blocks were filled with concrete in bags.

March 30 to April 12, 1899.—Granite—Stones were cut and 76 pieces of granite were set in the wall.

Construction under "New Plan."

April 1 to 12, 1899.—Concrete Backing—Mould boards were placed and 139 batches of concrete were made and placed in rear of the granite set.

April 17 to 21, 1899.—Pointing—333 linear feet of joints in the granite were pointed.

Recapitulation of Work Done and to be Done on the Bulkhead Wall, Watts Street Section, in Linear feet.

Length of Section, 65 feet.

	COMPLETED WORK.		WORK TO BE COMPLETED.
	1899.	Total to Date.	
Dredging .....	.....	65	.....
Stone Filling—Cobble.....	65	65	.....
" Rip-rap.....	65	65	.....
Piling and Woodwork—Vertical piles.....	42.69	65	.....
" Bracing piles.....	65	65	.....
" Sawing piles.....	65	65	.....
" Longitudinal capping... ..	65	65	.....
" Transverse capping.....	65	65	.....
" Cap decking.....	65	65	.....
Masonry—Base Blocks—(Upper and lower).....	65	65	.....
" Chain holes.....	65	65	.....
" AB course granite.....	65	65	.....
" C course granite.....	65	65	.....
" D course granite.....	65	65	.....
" E course granite.....	65	65	.....
" Concrete backing.....	65	65	.....
" Coping.....	6.88	6.88	.....
" Backing logs.....	6.88	6.88	.....
" Pointing.....	65	65	.....
Work actually completed.....	65	65	.....

GENERAL CHARGE.

May 29 to October 10, 1899.—Removing Old Work—Platform in rear of wall was removed.

April 29 to November 23, 1899.—Earth-filling—4,052 loads of filling were placed in rear of wall by Michael Bradley.

PIER, NEW 31.

January 2 to May 29, 1899.—Contract No. 639—Henry D. Steers preparing for and building new Pier ; 4,808 cubic yards of rip-rap were deposited over area of Pier.

Construction under "New Plan."

WATTS STREET SECTION, EXTENDED.

Resolution of the Board, February 3, 1899.

BULKHEAD-WALL PROPER.

Stone Filling.

March 21 to July 1, 1899.—Cobble—1,783 cubic yards of cobble were deposited on wall foundation by Murray & Co. under Treasurer's Orders Nos. 19768 and 19823.

March 21 to August 12, 1899.—Rip-rap—2,282 cubic yards of rip-rap were deposited in front and rear of wall foundation by Murray & Co. and Brown & Fleming under Treasurer's Orders Nos. 19858, 20023 and 20086.

Piling and Woodwork.

April 22 to August 10, 1899.—Vertical Piles—314 vertical piles were driven, regulated and stay-lathed to place.

May 16 to June 15, 1899.—Bracing Piles—Thirty bracing piles were driven and regulated.

May 15 to July 22, 1899.—Sawing Piles—Piles driven in wall foundation were sawed off to grade.

June 24 to July 22, 1899.—Longitudinal Capping—253 linear feet of capping placed ; bracing piles were regulated.

April 10 to August 16, 1899.—Transverse Capping.—Vertical piles were regulated for and 31 caps were placed.

August 17 to September 7, 1899.—Cap Decking—Deck was placed on caps in rear of masonry.

Masonry.

June 10 to July 28, 1899.—Base Blocks and Mattresses—Mattresses were prepared for and 15 lower and 15 upper course concrete blocks were set in the wall ; joints between blocks were calked.

June 13 to July 28, 1899.—Chain Holes—Chain holes in the concrete blocks were filled with concrete in bags.

August 16 to 31, 1899.—Granite—Stones were cut and 144 pieces of granite were set in the wall.

July 12 to August 31, 1899.—Concrete Backing—Mould boards were placed and 226 batches of concrete were made and placed in rear of the granite set.

August 31 to September 5, 1899.—Coping—Stones were cut and 17 pieces of coping were set on the "E" course of granite.

August 31 to September 9, 1899.—Pointing—888 linear feet of joints in the granite were pointed.

September 2 to 12, 1899.—Backing-logs—Backing-logs were placed along coping.

Recapitulation of Work Done and to be Done on the Bulkhead-wall, Watts Street Section, Extended, in Linear Feet.

Length of Section, 125 feet.

	COMPLETED WORK.		WORK TO BE COMPLETED.
	1899.	Total to Date.	
Dredging.....	125	125	.....
Stone Filling—Cobble.....	125	125	.....
" Rip-rap.....	125	125	.....
Piling and Woodwork—Vertical piles.....	125	125	.....

Construction under "New Plan."

	COMPLETED WORK.		WORK TO BE COMPLETED.
	1899.	Total to Date.	
Piling and Woodwork—Bracing piles.....	125	125	.....
“ Sawing piles.....	125	125	.....
“ Longitudinal capping.....	125	125	.....
“ Transverse capping.....	125	125	.....
“ Cap decking.....	125	125	.....
Masonry—Base blocks (upper and lower).....	125	125	.....
“ Chain-holes.....	125	125	.....
“ AB course granite.....	125	125	.....
“ C course granite.....	125	125	.....
“ D course granite.....	125	125	.....
“ E course granite.....	125	125	.....
“ Concrete backing.....	125	125	.....
“ Coping.....	123.12	123.12	.....
“ Backing-logs.....	123.12	123.12	.....
“ Pointing.....	125	125	.....
Work actually completed.....	125	125	.....

GENERAL CHARGE.

January 18 to July 11, 1899.—Removing Old Work—Platform and shed in rear of wall were removed.

June 9 to December 30, 1899.—Earth-filling—8,098 loads of filling were placed in rear of wall by Michael Bradley.

SOUTH CANAL STREET SECTION.

Secretary's Order No. 14451.

January 3 to October 11, 1899.—Building section of wall south of Canal street, and filling in behind same by the New Jersey Steamboat Company.

April 4 to May 16, 1899.—Secretary's Order No. 18962—16 lower and 16 upper course concrete blocks were set in the wall, joints calked and chain holes filled, for Henry D. Steers.

CANAL STREET SECTION, EXTENDED.

Resolution of the Board, December 10, 1891.

BULKHEAD-WALL PROPER.

Stone Filling.

February 7 to April 6, 1899.—Cobble—Cobble was leveled off to grade; bulkhead built to retain stone filling.

Piling and Woodwork.

January 31 to February 4, 1899.—Sawing Piles—Mud was pumped off of piles and piles were sawed off to grade.

Construction under "New Plan."

April 3 to 5, 1899.—Transverse Capping—Vertical piles were regulated for and three caps were placed.

April 3 to July 5, 1899.—Cap Decking—Deck was placed on caps in rear of masonry.

Masonry.

February 4 to 7, 1899.—Base Blocks and Mattresses—Mattresses were prepared for and one concrete block was set in the wall.

February 7, 1899.—Chain-holes—Chain-holes in the concrete blocks were filled with concrete in bags.

April 11 to 14, 1899.—Granite—Stones were cut and 32 pieces of granite were set in the wall.

April 11 to 15, 1899.—Concrete Backing—Mould boards were placed and 82 batches of concrete were made and placed in rear of the granite set.

April 17 to 18, 1899.—Pointing—133 linear feet of joints in the granite were pointed.

*June 30, 1899.—Backing-logs—Placing backing-logs on coping of the wall.

Recapitulation of Work Done and to be Done on the Bulkhead-wall, Canal Street Section, Extended, in Linear Feet.

Length of Section, 145.62 feet.

	COMPLETED WORK.		WORK TO BE COMPLETED.
	1899.	Total to Date.	
Dredging.....	.....	145.62	.....
Stone Filling—Cobble.....	6.00	145.62	.....
" Rip-rap.....	6.00	145.62	.....
Piling and Woodwork—Vertical piles .....	.....	145.62	.....
" Bracing piles.....	.....	145.62	.....
" Binding frames.....	.....	48.00	.....
" Sawing piles.....	8.00	145.62	.....
" Longitudinal capping..	.....	145.62	.....
" Transverse capping.....	8.00	145.62	.....
" Cap decking.....	21.33	145.62	.....
Masonry—Base blocks.....	10.96	145.62	.....
" Chain-holes.....	10.96	145.62	.....
" AB course granite.....	21.33	145.62	.....
" C course granite.....	23.85	145.62	.....
" D course granite.....	27.66	145.62	.....
" E course granite.....	31.39	145.62	.....
" Concrete backing.....	31.39	145.62	.....
" Coping.....	.....	66.35	39.27
" Backing-logs.....	.....	66.35	39.27
" Pointing.....	.....	106.35	39.27
Work actually completed.....	31.39	145.62	.....

Construction under "New Plan."

GENERAL CHARGE.

March 10 to 25, 1899.—Temporary Approach—Building plank approach to connect with Pier, old 41.

EXTENSION TO PIER, NEW 45.

Resolution of the Board, June 2, 1899.

June 16 to October 21, 1899.—Building extension to the outer end of Pier.

GANSEVOORT SECTION.

Resolution of the Board, June 17, 1899.

BULKHEAD-WALL PROPER.

Stone Filling.

January 3 to December 16, 1899.—7,058 cubic yards of cobble were deposited on wall foundation under Treasurer's Orders Nos. 19697, 19768, 19823, 20030, 20135 and 20217, by Brown & Fleming and Murray & Co.

January 5 to December 16, 1899.—Rip-rap—8,623 cubic yards of rip-rap were deposited in front and rear of wall foundation by Brown & Fleming and Murray & Co. under Treasurer's Orders Nos. 19580, 19707, 19858, 20023, 20030, 20086 and 20217.

Piling and Woodwork.

June 13 to December 1, 1899.—Vertical Piles—854 vertical piles were driven, regulated and stay-lathed to place.

July 31 to November 14, 1899.—Bracing Piles—96 bracing piles were driven and regulated.

July 28 to December 28, 1899.—Sawing Piles—Piles driven in wall foundation were sawed off to grade.

June 19 to August 31, 1899.—Binding Frames—Binding frames are being made.

August 16 to December 27, 1899.—Longitudinal Capping—Bracing piles were regulated for and 665 linear feet of capping placed.

January 9 to December 30, 1899.—Transverse Capping—Vertical piles were regulated for and 73 caps were placed.

January 5 to December 23, 1899.—Cap Decking—Deck was placed on caps in rear of masonry.

Masonry.

January 3 to December 29, 1899.—Base Blocks and Mattresses—Mattresses were prepared for and 26 lower and 26 upper course concrete blocks were set in the wall. Joints between the blocks were calked.

September 6 to December 26, 1899.—Chain-holes—Chain-holes in the concrete blocks were filled with concrete in bags.

January 4 to December 29, 1899.—Granite—Stones were cut and 421 pieces of granite were set in the wall.

January 18 to December 29, 1899.—Mould boards were placed and 1,064 batches of concrete were made and placed in rear of the granite set.

January 21 to December 12, 1899.—Coping—Stones were cut and 46 pieces of coping were set on the "E" course of granite.

February 26 to December 15, 1899.—Pointing—5,006 linear feet of joints in the granite were pointed.

January 27 to March, 31, 1899.—Backing-logs—Backing-logs were placed on the coping of the bulkhead-wall.

Construction under "New Plan."

Recapitulation of Work Done and to be Done on the Bulkhead-wall, Gansevoort Section, in Linear Feet.

Length of Section, 2,133.61 feet.

	COMPLETED WORK.		WORK TO BE COMPLETED.
	1899.	Total to Date.	
Dredging	380.61	2,058.61	75.
Stone Filling—Cobble.....	353.50	1,788.50	345.11
" Rip-rap.....	369.50	1,804.50	329.11
Piling and Woodwork—Vertical piles.....	323.52	2,001.52	132.09
" Bracing piles.....	314.32	1,992.32	141.29
" Binding frames.....	92.44	1,770.44	.....
" Sawing piles.....	323.52	2,001.52	132.09
" Longitudinal capping.....	256.50	1,934.50	199.11
" Transverse capping.....	242.40	1,894.40	239.21
" Cap decking.....	296.83	1,771.83	361.78
Masonry—Base blocks.....	287.10	1,965.94	167.67
" Chain-holes.....	287.10	1,965.94	167.67
" AB course granite.....	368.91	1,813.80	319.81
" C course granite.....	360.80	1,797.59	336.02
" D course granite.....	368.92	1,793.44	340.17
" E course granite.....	378.59	1,789.12	344.49
" Concrete backing.....	378.59	1,789.12	344.49
" Coping.....	363.80	1,194.81	383.80
" Backing-logs.....	647.88	1,124.48	454.13
" Pointing.....	693.48	1,679.48	454.13
Work actually completed.....	403.11	1,789.12	344.49

GENERAL CHARGE.

January 9 to June 17, 1899.—Temporary Approach to Pier, new 48—Building approach across earth filling.

January 3 to June 15, 1899.—Temporary Approach to Pier, new 49—Building approach to pier across earth-filling.

January 14 to June 12, 1899.—Temporary Approach to Pier, new 50—Building approach across earth-filling.

May 15 to 25, 1899.—Temporary Approach to Pier, new 51—Building approach across earth-filling.

February 4 to May 15, 1899.—Temporary Approach to Pier, new 52—Building approach across earth-filling.

Construction under "New Plan."

January 3 to February 6, 1899.—Permanent Sewer—Secretary's Order No. 18365.—Connections were made with sewers across marginal street.

January 3 to December 15, 1899.—Temporary Sewer—Sewers were built across marginal street, and overflow was built at West Tenth street.

May 1 to October 25, 1899.—Temporary Fence—Fence was erected to inclose section from West Tenth to Perry streets.

July 11 to October 27, 1899.—Rebuilding Bulkhead—Sheathing north side Pier 52, rebuilding bulkhead north of Gansevoort street, and 268 cubic yards of rip-rap were deposited in rear of crib by Murray & Co. under Treasurer's Order No. 20086.

January 13 to December 30, 1899.—Removing Old Work—Surplus materials, offices and shops were removed. Crib, bulkhead and platform in rear of wall were removed.

January 3 to 30, 1899.—Secretary's Order No. 18008.—Earth-filling—2,364 loads of filling were placed in rear of wall at south end of section by Brown & Fleming.

January 2 to April 5, 1899.—Secretary's Order No. 18008.—5,789 loads of filling were placed in rear of wall at north end of section by J. F. Galligan & Co.

PAVING MARGINAL STREET.

Perry to Gansevoort Street.

March 14 to June 26, 1899.—Treasurer's Order No. 19886.—John M. Sheehan laying granite pavement.

West Twelfth and Jane Streets.

February 27 to May 10, 1899.—Treasurer's Order No. 19798.—John M. Sheehan laying granite pavement.

Jane and Horatio Streets.

January 10 to 12, 1899.—Treasurer's Order No. 19735.—John M. Sheehan, laying granite pavement.

PIER FOOT WEST SEVENTEENTH STREET.

Resolution of the Board, October 6, 1899.

October 26 to December 30, 1899.—Erecting fence, ripping out old pier, dredging and driving piles for sights.

WEST TWENTY-THIRD STREET SECTION, SOUTH END.

Resolution of the Board, November 5, 1880.

BULKHEAD-WALL PROPER.

Masonry.

September 15 to 23, 1899.—Concrete—Concrete was deposited on top of wall under Pier, new 55, to raise the grade of pier.

WEST TWENTY-THIRD STREET SECTION, NORTH END.

November 9 to December 30, 1899.—Paving—Granite pavement is being laid between Piers, new 57 and 60 by John M. Sheehan, under Treasurer's Order No. 20219.

Construction under "New Plan."

WEST THIRTY-THIRD STREET SECTION.

Resolution of the Board, February 20, 1890.

BULKHEAD-WALL PROPER.

Masonry.

May 4, 1899.—Pointing—36 linear feet of joints in the granite were pointed.

WEST THIRTY-FOURTH STREET SECTION.

Resolution of the Board, March 11, 1897.

BULKHEAD-WALL PROPER.

Masonry.

April 24 to May 5, 1899.—Pointing—725 linear feet of joints in the granite were pointed.

GENERAL CHARGE.

January 3, 1899.—Temporary Approach—Building approach to connect with Pier.

July 24, 1899.—Removing Office—Office and tool-house removed to West Forty-second street.

January 3 to August 26, 1899.—Earth-filling—Secretary's Order No. 18155.—1,431⁸ loads of filling were placed in rear of wall by G. W. Plunkitt.

May 17 to July 15, 1899.—Paving—Granite pavement was laid by John M. Sheehan, under Treasurer's Order No. 19920.

PIER FOOT WEST THIRTY-NINTH STREET.

Contract No. 660.

August 22 to December 30, 1899.—Henry L. Spearin preparing for and building new Pier.

April 20, 1899.—Test piles were driven.

WEST FORTY-SECOND STREET SECTION.

Resolution of the Board, June 27, 1899.

BULKHEAD-WALL PROPER.

Stone Filling.

July 27 to October 28, 1899.—Cobble—3,628 cubic yards of cobble were deposited on wall foundation, under Treasurer's Order Nos. 20030 and 20135, by Murray & Co. and Brown & Fleming.

August 2 to September 14, 1899.—Rip-rap—1,946 cubic yards of rip-rap were deposited in front and rear of wall foundation, by Murray & Co., under Treasurer's Orders No. 20086.

August 11 to September 22, 1899.—Derrick Stone—2,507 cubic yards of derrick stone were deposited in front of wall foundation by Murray & Co., under Treasurer's Orders Nos. 20113 and 20178.

Piling and Woodwork.

October 27 to 30, 1899.—Vertical Piles—47 vertical piles were driven, regulated and stay-lathed to place.

Construction under "New Plan."

Recapitulation of Work Done and to be Done on the Bulkhead-wall West Forty-second Street Section, in Linear Feet.

Length of Section, 200.83 feet.

	COMPLETED WORK.		WORK TO BE COMPLETED.
	1899.	Total to date.	
Dredging	200.83	200.83	.....
Stone Filling—Cobble.....	200.83
" Rip-rap.....	200.83
Piling and Woodwork—Vertical piles	14	14	186.83
" Bracing piles.....	200.83
" Sawing piles.....	200.83
" Longitudinal capping	200.83
" Transverse capping.....	200.83
" Cap decking.....	200.83
Masonry—Base blocks (lower and upper).....	200.83
" Chain-holes.....	200.83
" AB course granite	200.83
" C course granite.....	200.83
" D course granite	200.83
" E course granite.....	200.83
" Concrete backing.....	200.83
" Coping.....	200.83
" Backing-logs.....	200.83
" Pointing.....	200.83
Work actually completed.....	200.83

WEST FORTY-THIRD STREET SECTION, EXTENDED.

Resolution of the Board, September 2, 1898.

BULKHEAD-WALL PROPER.

Stone Filling.

July 21 to October 5, 1899.—Cobble—967 cubic yards of cobble were deposited on wall foundation by Murray & Co. and Brown & Fleming under Treasurer's Orders Nos. 20030 and 20135.

Piling and Woodwork.

October 17 to 27, 1899.—Vertical Piles—161 vertical piles were driven, regulated and stay-lathed to place.

Construction under "New Plan."

Recapitulation of Work Done and to be Done on the Bulkhead-wall, West Forty-third Street Section, in Linear Feet.

Length of Section, 60 feet.

	COMPLETED WORK.		WORK TO BE COMPLETED
	1899.	Total to Date.	
Dredging	60	60	.....
Stone Filling—Cobble	60
" Rip-rap.	60
Piling and Woodwork—Vertical piles.....	60	60	.....
" Bracing piles.....	60
" Sawing piles.....	60
" Longitudinal capping.....	60
" Transverse capping.....	60
" Cap decking.....	60
Masonry—Base blocks.....	60
" Chain-holes.....	60
" A B course granite.....	60
" C course granite.....	60
" D course granite.....	60
" E course granite.....	60
" Concrete backing.....	60
" Coping	60
" Backing-logs	60
" Pointing	60
Work actually completed.....	60

GENERAL CHARGE.

October 23 to 30, 1899.—Removing Old Work—Crib-bulkhead in rear of wall was removed.

WEST FORTY-THIRD STREET SECTION.

Resolution of the Board, September 3, 1891.

BULKHEAD-WALL PROPER.

Piling and Woodwork.

October 16 to 17, 1899.—Vertical Piles—Six vertical piles were driven, regulated and stay-lathed to place.

Construction under "New Plan."

Recapitulation of Work Done and to be Done on the Bulkhead-wall, West Forty-third Street Section, in Linear Feet.

Length of Section, 260.83 feet.

	COMPLETED WORK.		WORK TO BE COMPLETED.
	1899.	TOTAL TO DATE.	
Dredging.....	260.83	.....
Stone Filling—Cobble.....	225	35.83
" Rip-rap.....	212	48.83
Piling and Woodwork—Vertical piles.....	7.03	260.83	.....
" Bracing piles.....	253.80	7.03
" Binding frames.....	251.70	.....
" Sawing piles.....	253.80	7.03
" Longitudinal capping.....	253.55	7.28
" Transverse capping.....	250.68	10.15
" Cap decking.....	230.71	30.12
Masonry—Base blocks.....	252.88	7.95
" Chain-holes.....	252.88	7.95
" AB course granite.....	239.23	21.60
" C course granite.....	238.17	22.66
" D course granite.....	236.36	24.47
" E course granite.....	232.20	28.63
" Concrete backing.....	232.20	28.63
" Coping.....	226.70	34.13
" Backing-logs.....	226.70	34.13
" Pointing.....	226.70	34.13
Work actually completed.....	232.20	28.63

PIER FOOT WEST FORTY-THIRD STREET.

Secretary's Orders Nos. 18801 and 19069.

March 1 to June 13, 1899.—Pier at foot of street was removed.

WEST FIFTY-SECOND STREET SECTION.

June 24 to July 19, 1899.—West Fiftieth street—Secretary's Order No. 19234.—Laying strip of pavement in front of Pier.

June 6 to August 12, 1899.—West Fiftieth and Fifty-first streets—Secretary's Order No. 18536.—Laying pavement along bulkhead.

EAST RIVER.**CATHARINE SECTION, E. R.**

Unanimous Resolution of Board, February 24, 1899.

BULKHEAD-WALL PROPER.*Stone Filling.*

March 9 to May 26, 1899.—Cobble was deposited on the wall foundation.

March 13 to July 27, 1899.—Rip-rap was deposited on the wall foundation.

Piling and Woodwork.

March 21 to May 11, 1899.—288 vertical piles were driven, regulated and stay-lathed to place.

April 24 to April 29, 1899.—36 bracing piles were driven and regulated; 15 piles broken in driving; total used, 339.

April 18 to June 5, 1899.—Sawing Piles—144 low and 180 high cut piles were sawed to grade.

May 4 to June 3, 1899.—Longitudinal Capping—Bracing piles were regulated, and 144 linear feet of capping placed.

May 17 to June 3, 1899.—Transverse Capping—Vertical piles were regulated for and 36 caps placed.

June 11 to June 15, 1899.—Cap Decking—About 2,448 square feet of deck was placed on caps in rear of the masonry.

Masonry.

May 6 to May 12, 1899.—Base Blocks—Mattresses were prepared for and 17 concrete blocks were set.

May 13 to May 20, 1899.—Chain Holes—Chain holes in the blocks were filled with concrete in bags.

June 20 to July 7, 1899.—Granite—Stones were cut and 130 pieces were set.

June 21 to July 7, 1899.—Concrete Backing—Mould boards were placed, and concrete backing was made and placed in rear of granite set.

July 8 to July 11, 1899.—Coping—Stones were cut and 7 pieces of coping were set on "E" course of granite.

August 17 to August 21, 1899.—Backing-logs—Bolt-holes were drilled in coping and backing-logs placed and fastened.

July 3 to July 13, 1899.—Pointing—586 linear feet of joints in the granite pointed.

Recapitulation of Work Done and to be Done on the Bulkhead-wall, Catharine Section, E. R., in Linear Feet.

Length of Section, 177 feet.

WORK.	COMPLETED WORK, 1899.	WORK TO BE COMPLETED
Dredging	132.00	45.00
Stone Filling—Cobble.....	129.00	48.00
" Rip-rap.....	129.00	48.00

Construction under "New Plan."

WORK.	COMPLETED WORK, 1899.	WORK TO BE COMPLETED.
Piling and Woodwork—Vertical piles.....	132.00	45.00
" Bracing piles.....	132.00	45.00
" Sawing piles.....	132.00	45.00
" Longitudinal capping.....	132.00	45.00
" Transverse capping.....	132.00	45.00
" Cap decking.....	132.00	45.00
Masonry—Base blocks.....	137.00	40.00
" Chain-holes.....	137.00	40.00
" AB course granite.....	129.28	49.72
" C course granite.....	123.44	53.56
" D course granite.....	115.40	61.60
" E course granite.....	107.57	69.43
" Concrete backing.....	107.56	69.43
" Coping.....	54.76	24.58
" Backing-logs ..	54.76	24.58
" Pointing	106.00	71.00
Work actually completed.....	107.57	69.43

GENERAL CHARGE.

May 16 to June 13, 1899.—Removal of Old Work—A dike was removed from rear of bulk-head-line.

April 14 to May 18, 1899.—Removal of Obstructions—Old piles in line of work were removed.

August 21 to August 25, 1899.—A temporary approach leading to Pier foot of Catharine street was constructed.

June 12 to August 19, 1899.—Earth-filling—Secretary's Order No. 19071.—1,532 cart and 393 truck loads of earth-filling delivered by John Fleming were placed in rear of wall. Begun June 12.

March 9 to March 30, 1899.—An earth settlement in rear of crib bulk head at Pier, old 35, East river, was filled in.

PIER FOOT OF CATHARINE STREET, E. R.

Under Contract No. 645.

March 2 to August 18, 1899.—A new wooden pier, with appurtenances, was constructed at the foot of Catharine street, East river, by John Monks & Son, begun March 2 and finished August 18, 1899.

Construction under "New Plan."

BETWEEN CATHARINE AND MARKET STREETS, E. R.

Under Secretary's Order No. 18697.

Temporary piling was placed in front of the bulkhead, between Catharine and Market streets, for protection to South street. The work consisted of placing 2 close rows of second-hand piles, running parallel and 6 feet apart, adjacent to the bulkhead, and filling same with rip-rap to protect the old crib and earth-filling from falling out while dredging over site of Pier, old 35, East river, was in progress. Begun December 27, 1898, and finished February 24, 1899.

RUTGERS SECTION, E. R.¹

Unanimous Resolution of Board, February 3, 1899.

BULKHEAD-WALL PROPER.

Stone Filling.

June 10 to December 29, 1899.—Cobble was deposited on the wall foundation.

April 24 to December 22, 1899.—Rip-rap was deposited on the wall foundation.

Piling and Woodwork.

May 3 to December 30, 1899.—1,050 vertical piles were driven, regulated and stay-lathed to place.

May 29 to November 25, 1899.—105 bracing piles were driven and regulated.

July 15 to July 17, 1899.—Binding Frames—1 binding frame was made and placed.

May 19 to December 20, 1899.—Sawing Piles—525 deep and 630 high cut piles were sawed to grade.

June 20 to December 29, 1899.—Longitudinal Capping—Bracing piles were regulated for and 484 linear feet of capping placed.

June 27 to December 14, 1899.—Transverse Capping—Vertical piles were regulated for and 117 caps placed.

September 5 to December 28, 1899.—Cap Decking—About 3,620 square feet of decking was placed on caps in rear of masonry.

Masonry.

June 17 to November 15, 1899.—Base Blocks—Mattresses were prepared for and 30 concrete blocks were set.

June 20 to December 19, 1899.—Chain Holes—The chain holes of blocks set were filled with concrete in bags.

August 1 to December 30, 1899.—Granite—Stones were cut and 181 pieces were set in wall.

August 5 to December 29, 1899.—Concrete Backing—Mould boards were placed and concrete backing was made and placed in rear of granite set.

September 25 to November 7, 1899.—Coping—Stones were cut and 10 pieces of coping were set on E course of granite.

Pointing—602 linear feet of joints in the granite were pointed.

Construction under "New Plan."

*Recapitulation of Work Done and to be Done on the Bulkhead-wall at Rutgers Section, E. R.,
in Linear Feet.*

Length of Section, 877.83.

WORK.	COMPLETED WORK, 1899.	WORK TO BE COMPLETED.
Dredging.....	430.00	447.83
Stone Filling—Cobble.....	112.00	765.83
" R p rap.....	112.00	765.83
Piling and Woodwork—Vertical piles.....	422.00	455.83
" Bracing piles.....	359.00	518.83
" Sawing piles.....	350.00	527.83
" Longitudinal capping.....	298.00	579.83
" Transverse decking.....	244.00	633.83
" Cap decking.....	110.00	767.83
Masonry—Base blocks.....	252.73	625.10
" Chain-holes.....	252.73	625.10
" AB course granite.....	188.09	689.74
" C course granite.....	170.33	727.50
" D course granite.....	150.11	727.72
" E course granite.....	146.12	731.71
" Concrete backing.....	146.12	731.71
" Coping.....	140.86	736.97
" Backing-logs.....	9.25	578.55
" Pointing.....	155.10	155.10
Work actually completed.....	112.00	765.83

GENERAL CHARGE.

September 19 to November 13, 1899.—Earth-filling under Secretary's Order No. 19071—1,249 cart and 29 truck loads of earth-filling, delivered by John Fleming, were placed in rear of wall.

June 21 to August 19, 1899.—Removal work—Pier, old 42 was removed, account bulkhead-wall construction.

March 20 to May 10, 1899.—Removal work—Pier, old 43, East river, was removed, account of bulkhead-wall construction.

February 7 to March 18, 1899.—Removal work—Pier, old 44, East river, was removed, account of bulkhead-wall construction.

September 25 to October 2, 1899.—Removal work—A platform bulkhead at north end of section, was removed.

March 21 to April 22, 1899.—A section-office, tool-house and blacksmith shop were placed on section and fitted up. Also water-pipes were fitted up.

PIER, NEW 32, E. R.

February 17 to March 16, 1899.—A temporary dumping-board was constructed at above pier for use of the Street Cleaning Department. Also repairs were made to pier and approach.

Construction under "New Plan."

BETWEEN PIERS, OLD 42 AND NEW 32, E. R.

March 9 to March 10, 1899.—Repairs were made to backing-log and pavement.

PIER, OLD 42, E. R.

March 4 to June 15, 1899.—Temporary repairs were made to pier for accommodation of shipping.

PIER, NEW 34, E. R.

November 6 to November 14, 1899.—A temporary approach was constructed.

PIER, NEW 32, E. R.

December 26, 1899.—Rip-rap was deposited on site of proposed Pier, new 32, East river.

BULKHEAD BETWEEN PIERS, OLD 42 AND 43, E. R.

April 13 to April 17, 1899.—Secretary's Order No. 18926.—A pile platform and ice-bridge were removed.

PIER, NEW 33, WEST OF RUTGERS SLIP, E. R.

Preparing for and Building a New Wooden Pier, with Appurtenances.

Contract No. 667.

A new wooden pier, with appurtenances, is being constructed at the above location by William H. Jenks, in accordance with the plans and specifications as set forth in his contract, No. 667. Begun November 10, 1899. Piles driven during 1899—611.

PIER, NEW 34, FOOT OF RUTGERS SLIP, E. R.

Under Contract No. 654.

July 6 to November 29, 1899.—A new wooden pier, with appurtenances, was constructed at foot of Rutgers slip, East river, by Messrs. Gildersleeve & Rolf.

PIER 48, E. R.

December 20, 1898, to July 29, 1899.—Was extended to pierhead-line of 1890, in accordance with resolution of Board dated December 16, 1898.

EAST TWENTY-THIRD STREET SECTION.

Unanimous resolution of Board, January 27, 1899.

BULKHEAD-WALL PROPER.

Stone Filling.

March 30 to December 30, 1899.—Cobble was deposited on the wall foundation.

April 6 to December 30, 1899.—Rip-rap—Rip-rap was deposited on the foundation area.

Piling and Woodwork.

March 30 to December 30, 1899.—1,535 vertical piles were driven, regulated and staylathed to place.

May 20 to December 2, 1899.—100 bracing-piles were driven and regulated.

July 3 to September 19, 1899.—2 binding frames were made and placed.

May 2 to December 30, 1899.—Sawing piles—964 deep and 635 high-cut piles were sawed to grade.

June 13 to August 18, 1899.—Longitudinal capping—Bracing-piles were regulated for and 241 linear feet of capping placed.

June 13 to September 15, 1899.—Transverse capping—Vertical piles were regulated for and 53 caps placed.

July 14 to October 11, 1899.—Cap decking—188 linear feet placed on caps.

Masonry.

May 20 to December 14, 1899.—Base blocks—Mattresses were prepared for and 46 concrete blocks were set.

Construction under "New Plan."

May 24 to December 21, 1899.—The chain-holes of concrete blocks were filled with concrete in bags.

July 12 to October 18, 1899.—Granite—Stones were cut and 182 pieces of granite were set.

July 13 to October 18, 1899.—Concrete backing—Mould boards were placed and concrete was mixed and placed in rear of the granite set.

Coping—None.

Backing logs—None.

July 26 to October 19, 1899.—Pointing—812 linear feet of joints in the granite were pointed.

Recapitulation of Work Done and to be Done on the Bulkhead-wall, East Twenty-third Street Section, in Linear Feet.

Section length, 2,454.86 feet.

WORK.	COMPLETED WORK, 1899.	WORK TO BE COMPLETED.
Dredging	1,909.00	545.86
Stone Filling—Cobble.....	206.00	2,248.86
" Rip-rap.....	188.00	2,266.86
Piling and Woodwork—Vertical piles.....	697.90	1,756.96
" Bracing piles.....	370.00	1,805.86
" Longitudinal caps.....	241.00	1,934.86
" Transverse caps.....	212.00	1,963.86
" Cap decking.....	188.00	1,987.86
Masonry—Base blocks.....	370.62	2,084.24
" Chain-holes.....	370.62	2,084.24
" AB course granite.....	175.31	2,279.55
" C course granite.....	171.49	2,283.37
" D course granite.....	163.58	2,291.28
" E course granite.....	155.64	2,299.22
" Concrete backing.....	155.64	2,299.22
" Coping.....	.....	1,649.98
" Pointing.....	155.64	2,299.22
Backing-logs .....	.....	1,649.93

NOTE—On this section two types of wall are being used, viz.: East Twenty-third street and Watts street.

GENERAL CHARGE.

March 6 to April 13, 1899.—Test Piles—Test piles were driven for examination of river bed.

July 24 to 27, 1899.—Borings—Borings were made with borer "wood-cock."

December 22, 1899.—Obstructions—Sunken piles were raised.

April 14 to December 30, 1899.—Platform was constructed for section office at north side East Twenty-second street. The section office was placed thereon and fitted up.

July 28 to September 6, 1899.—A temporary approach was constructed leading to the East Twenty-third street ferry.

August 26 to September 16, 1899.—East Eighteenth street pier—The inner end of pier was removed to permit construction of bulkhead-wall.

Construction under "New Plan."

August 4 to September 26, 1899.—East Twenty-third street pier—The inner end of pier was removed on account of construction of bulkhead-wall.

August 21 to August 22, 1899.—East Twenty-third street—Portion of a ferry rack was removed.

October 31 to November 22, 1899.—East Twenty-third street—A close row of piles was driven and boarded up for retention of earth-filling.

August 21 to August 22, 1899.—East Eighteenth street—A public bath was shifted.

FOOT OF TWENTIETH STREET, E. R.

Resolution of Board of February 11, 1898.

Preparing For and Building a New Pier.

April 2, 1898, to March 21, 1899.—A new wooden pier, with appurtenances, was constructed at the foot of Twentieth street, East River, by force of this Department, by day's labor.

FOOT OF TWENTY-SECOND STREET, E. R.

Resolution of Board of July 10, 1890.

Construction of Pier.

A new wooden pier, with appurtenances, is being constructed at foot of Twenty-second street, East River, by force of this Department. Total number of piles driven during 1899, 472.

PIER FOOT OF THIRTY-SIXTH STREET, E. R.

Unanimous Resolution of Board, October 20, 1899.

November 8 to December 30, 1899.—A new wooden pier is being constructed by force of this Department. Total number of piles driven to date, 131.

EAST NINETY-FIRST STREET SECTION.

Unanimous Resolution of Board, June 20, 1895.

GENERAL CHARGE.

December 19, 1898, to January 23, 1899.—Earth-filling—Secretary's Order No. 18669.—Repairs were made to north end of section. Work consisted of rebuilding a dry retaining-wall for earth-filling, and placed a fence on unprotected portion.

EAST NINETY-NINTH STREET SECTION.

Unanimous Resolution of Board, June 20, 1895.

BULKHEAD-WALL PROPER.

(Plan 1876.)

Stone Filling.

April 11 to May 2, 1899.—Cobble was deposited on the wall foundation.

April 22 to May 2, 1899.—Kip-rap was deposited on wall foundation.

Piling and Woodwork.

January 13 to April 13, 1899.—216 vertical piles were driven, regulated and stay-lathed to place.

February 3 to April 13, 1899.—36 bracing piles were driven and regulated.

Binding frames.—None.

January 13 to April 15, 1899.—Sawing piles.—72 deep and 180 high-cut piles were sawed off to grade.

February 24 to April 11, 1899.—Longitudinal capping. Bracing piles were regulated and 216 linear feet of capping was placed.

Construction under "New Plan."

March 1 to April 15, 1899.—Transverse caps.—Vertical piles were regulated and 24 caps placed.

April 28 to May 2, 1899.—Cap decking.—72 linear feet of decking was placed on caps in rear of masonry.

Masonry.

March 3 to April 11, 1899.—Base blocks.—Mattresses were prepared for and 6 blocks were set.

March 4 to April 2, 1899.—Chain-holes.—The chain holes of base blocks were filled with concrete in bags.

April 29 to May 15, 1899.—Granite.—Stones were cut and 108 pieces of granite were set.

April 29 to May 15, 1899.—Concrete backing.—Mould boards were placed and concrete was mixed and placed in rear of granite set.

May 10 to May 15, 1899.—Coping.—Stones were cut and 17 pieces set on E course of granite.

March 21 to May 29, 1899.—Backing-logs—Bolt-holes were drilled in the coping and backing-logs placed.

March 20 to May 15, 1899.—Pointing.—The joints in granite set were pointed.

Recapitulation of Work Done and to be Done on the Bulkhead-wall at the East Ninety-ninth Street Section, E. R.

Length of Section, 364.42 feet.

WORK.	COMPLETED WORK, 1899.	WORK TO BE COMPLETED.
Dredging.....	364.42	.....
Stone Filling—Cobble.....	352.00	12.42
" Rip-rap.....	352.00	12.42
Piling and Woodwork—Vertical piles.....	352.00	12.42
" Bracing piles.....	332.00	12.42
" Binding frames.....	260.00	12.42
" Sawing piles.....	352.00	12.42
" Longitudinal capping.....	332.00	12.42
" Transverse capping.....	332.00	12.42
" Cap decking.....	332.00	12.42
Masonry—Base blocks.....	352.00	12.42
" Chain-holes.....	352.00	12.42
" A B course granite.....	352.00	12.42
" C course granite.....	352.00	12.42
" D course granite.....	352.00	12.42
" E course granite.....	316.97	47.45
" Concrete backing.....	352.00	12.42
" Coping.....	129.50	234.92
" Backing-logs and bolt-holes.....	129.50	234.92
" Pointing.....	352.00	12.42
Wall actually completed.....	352.00	12.42

Construction under "New Plan."

GENERAL CHARGE.

January 1 to January 17, 1899.—Dredging—Mud was dredged from the slip between Ninety-ninth to One Hundredth streets.

January 1 to July 24, 1899.—Earth Filling—Engineer's Order No. 17605.—5,622 loads of earth filling delivered by D. J. Gleason were deposited in rear of the bulkhead-wall. Total number loads delivered under above order, 10,782 truck-loads and 6,735 cart-loads.

FOOT OF ONE HUNDREDTH STREET, H. R.

Secretary's Order No. 13700.—Called for directing and superintending filling in behind bulkhead or river wall under construction at One Hundredth street, Harlem river. Privilege sold to W. F. Cunningham at public auction on March 22, 1894. Work was begun May 4, 1894, and was completed, with the exception of a small strip amounting to about 300 cubic yards, on February 15, 1897. This strip was virtually abandoned by Cunningham in May, 1899, he having been notified to commence work May 8, and again May 13, 1899. The order was, therefore, returned June 9, 1899.

Temporary Construction under "New Plan."

TEMPORARY CONSTRUCTION UNDER "NEW PLAN."

OYSTER BASIN.

Resolution of the Board, August 26, 1898.

Pier, old 56½.

January 3 to May 26, 1899.—Building extension to outer end of pier.

May 1 to June 4, 1899.—Removing portion of pier and placing cleats in proper position.

Bulkhead, between Pier, old 56½ and Bloomfield Street.

March 13 to 16, 1899.—Bulkhead between piers was repaired.

April 25 to May 29, 1899.—Pavement along bulkhead was removed and platform placed.

Pier, old 57.

January 9 to March 11, 1899.—Crib bulkhead in front of pier was removed.

Pier, Bloomfield Street.

January 4 to March 3, 1899.—Building new pier at foot of street.

January 25 to June 17, 1899.—Building "L" at outer end of pier and placing sheathing.

Sheathing Interior of Basin.

July 5 to November 15, 1899.—Basin—Sheathing was placed around interior of basin.

Pier, old 58.

July 6 to September 28, 1899.—Pier was removed and bulkhead rebuilt, under Secretary's Orders Nos. 19 and 146.

Construction not under "New Plan."

CONSTRUCTION NOT UNDER "NEW PLAN."

West One Hundred and Thirty-fifth to West One Hundred and Thirty-seventh Street, N. R.

Secretary's Order No. 18483.

January 3 to 13, 1899.—Earth-filling—4,683 loads of filling were placed in rear of bulkhead by O'Brien, Sheehan & McBean.

Construction not under "New Plan."

Between Eightieth and Eighty-first Streets, E. R.

Contract No. 663.

September 26 to December 30, 1899—Construction of crib-bulkhead—A new crib-bulkhead, with appurtenances, is being constructed by John Gillies, in accordance with plans and specifications as set forth in his contract, No. 663.

Secretary's Order No. 18736.—Examination of river bottom, Eightieth and Eighty-first streets—Borings were taken under this order between the southerly line of Eightieth street and the northerly line of Eighty-first street, and northerly thereof. Work was commenced December 29, 1898, and completed February 17, 1899.

North Second Street Pier, Brooklyn.

Secretary's Order No. 19247.

A foundation was prepared for a recreation structure at the above pier. Begun June 30, and finished August 3, 1899.

Pier Foot Fordham Road.

Contract No. 661.

November 20 to December 30, 1899.—Henry L. Spearin, preparing for and building new pier.

New Dock Easterly Side Blackwell's Island.

Secretary's Order No. 19373.

September 7 to October 14, 1899—A new dock was built of new and second-hand material. Used 11,101 feet, B. M., of yellow pine.

Almshouse Dock, Blackwell's Island.

Secretary's Order No. 18830.

April 7 to 17, 1899—Piles were driven, caps, girders and chocks placed and deck laid and a platform 115 feet by 28 feet built.

Construction under Chapter 529, Laws of 1897.

CONSTRUCTION AND INCIDENTAL WORK UNDER CHAPTER 529 OF THE LAWS OF 1897.

WALLABOUT IMPROVEMENT.

Bulkhead-wall, Wallabout Basin.

Preparing for and building bulkhead-wall and appurtenances along easterly side was done by Augustin Walsh, contractor. Begun January 8, 1898 and finished February 1, 1899.

Filling was made behind wall under agreement with Matthew T. Meagher. Begun January 5 and finished August 29, 1899.

Filling was placed behind the wall on the easterly side of the basin. 200 cart-loads of material were excavated and placed, under Secretary's Order No. 19443. Begun September 5 and finished September 15, 1899.

Piers, new 1 and 2, Wallabout Basin.

Contract No. 648.

Preparing for and building two new wooden piers, with appurtenances, repairing and extending platform, repairing bulkhead and removing old piers. Begun May 16; in progress.

Construction under Chapter 529, Laws of 1897.

Between Piers 1 and 2, Wallabout Basin.

Secretary's Order No. 19648.

The old crib-bulkhead between the above piers was torn out and rebuilt for the support of a platform. Begun December 14 and finished December 18, 1899.

Bulkhead at Wallabout Basin, Brooklyn.

Secretary's Order No. 19443.

The area in rear of the bulkhead was filled in and graded. Begun September 5 and finished September 18, 1899.

WALLABOUT BASIN, BROOKLYN.

Washington Avenue.

Secretary's Order No. 19648.

The structures of the Consolidated Ice Company at the above location were removed by the force of this Department. Begun November 21 and finished December 2, 1899.

Construction under Chapter 298, Laws of 1892.

CONSTRUCTION UNDER CHAPTER 298, LAWS OF 1892, AND SECTION 837 OF "THE GREATER NEW YORK CHARTER."

PIER FOOT WEST FIFTIETH STREET.

Contract No. 621.

January 3 to March 31, 1899.—Recreation Structure—Augustus Smith erecting recreation structure on pier.

PIER FOOT WEST ONE HUNDRED AND TWENTY-NINTH STREET.

Contract No. 625.

January 21 to March 31, 1899.—Recreation Structure—Augustus Smith erecting recreation structure, passenger and freight shed on pier.

RECREATION PIERS, EAST AND HARLEM RIVERS.

Under Secretary's Order No. 19117.—The necessary repairs were made from time to time on the recreation structures on the East and Harlem rivers. The work consisted of general repairs to the water-pipes, ice-boxes, drinking-fountains, gates, settees and toilets; also repairs were made to the leaders. Begun May 18 and finished August 23, 1899.

Under Secretary's Order No. 19436.—The necessary repairs were made to the recreation structures from time to time as required. The work consisted of repairing water-pipes and protecting them from damage by frost; also repairs were made to settees, ice-boxes, etc. Begun August 20 and finished December 30, 1899.

Recreation Building, foot of Third Street, E. R.

Under Secretary's Order No. 19549.—The glass inclosures were replaced about the promenade deck of the recreation structure at above location. The work was begun October 18 and completed October 28, 1899.

Under Engineer's Order.—The inclosures of promenade deck of recreation structure was removed and stored, and the structure was properly cleaned and cared for. Awnings were put up and flags were placed on standards on roof. The work of painting the roof, under Treasurer's Order No. 19973, was inspected. The pier was opened for the public on May 27, 1899.

Construction under Chapter 298, Laws of 1892.

Recreation Building, East Twenty-fourth Street.

The inclosure of the promenade deck was removed and stored, and the Pier was cleaned and put in order for the opening, which was on May 27, 1899. Closets were made for use of attendants. Flags were placed on standards, and the work of painting the roof, under Treasurer's Order No. 19973, was inspected.

Under Secretary's Order No. 19254.—The lower deck of the building was covered with 2-inch yellow pine dressed planking in accordance with this order. The work was begun August 19 and completed October 5, 1899.

Under Secretary's Order No. 19550.—The glass inclosures were replaced about the promenade deck of the recreation structure. The work was begun October 9 and completed October 21, 1899.

Recreation Building, East One Hundred and Twelfth Street, H. R.

The recreation structure was properly cared for, cleaned and fitted up for opening on May 27, 1899.

Under Secretary's Order No. 18453.—Lockers were made and placed, and the necessary repairs were made from time to time to the fountains, hydrants, water-pipes, closets, etc.; also the settees were cleaned and painted, on the East One Hundred and Twelfth street recreation structure. Begun September 28, 1898, and finished February 25, 1899.

General Repairs.

STATEMENT OF REPAIRS, OTHER THAN DREDGING, FOR THE YEAR ENDING DECEMBER 31, 1899, EXCLUSIVE OF REPAIRS DONE FOR OTHER DEPARTMENTS.

NORTH RIVER.

Battery Boat Landing.

Secretary's Order No. 18798.—Spring and bearing piles were put in place and fastened, 3 oak piles were driven in a cluster and fastened, and repairs made to the backing-log and deck. Used 150 pounds of chain. Begun March 2 and finished May 4, 1899.

Secretary's Order No. 19272.—Chocks were renewed, braces and piles refastened and deck patched with 447 feet, B. M., of yellow pine. Begun July 1 and finished July 8, 1899.

Secretary's Order No. 19352.—Bracing piles were placed and fastened to cluster piles, second-hand and 5 new oak piles were driven and fastened and chocks put on. Used 350 pounds chain. Begun July 27 and finished August 31, 1899.

Secretary's Order No. 19440.—Necessary repairs were made; replacing group of fender piles at the easterly end. Begun August 23 and finished August 24, 1899.

Pier "A," N. R.

Secretary's Order No. 18875.—Maintenance of landing inside of breakwater. Repairs were made to the iron railings and float, and float was kept free from water. Used 160 feet, B. M., of 3-inch yellow pine. Begun March 1 and finished December 15, 1899.

Secretary's Order No. 18855.—Chocks and half-round oak fenders and timbers were placed on pier. Begun May 5 and finished May 9, 1899.

Engineer's Order.—The Pier was cleaned and cleared of old material, which was loaded on scow. Begun September 16 and finished September 19, 1899.

Pier, new 1, N. R.

Secretary's Order No. 18888.—Chocks, mooring-posts and doors were repaired. Begun March 10 and finished March 15, 1899.

General Repairs.

Secretary's Order No. 18977.—Chocks were put on and piles were refastened. Begun and finished May 10, 1899.

Bulkhead between Piers, new and old 1, N. R.

Secretary's Order No. 18368.—Repairs were made to sheathing on bulkhead. Begun and finished August 17, 1899.

Secretary's Order No. 19102.—Headers were placed and crosswalk was raised. Used 2,313 feet, B. M., of yellow pine. Begun May 25 and finished June 10, 1899.

Secretary's Order No. 19368.—Repairs were made to platform, rangers were placed, deck laid and sewer-box placed through bulkhead. Used 9,707 feet, B. M., of yellow pine. Begun July 29 and finished August 14 1899.

Cortlandt Street, N. R.

Secretary's Order No. 19533.—Planking was placed over filling at foot of street. Begun October 21 and finished October 24, 1899.

Piers, new 14 and 15, N. R.

Secretary's Order No. 19302.—Fenders were placed on sides of piers to strengthen same. Begun July 14 and finished December 30, 1899.

Pier, old 42, N. R.

Secretary's Order No. 18650.—Repairs were made to sheathing on deck of pier. Begun January 1 and finished February 17, 1899.

Secretary's Order No. 18863.—Repairs were made to the water-pipe leading to pier. Begun and finished February 23, 1899.

Secretary's Order No. 18868.—Repairs were made to sheathing on deck of pier. Begun March 6 and finished August 4, 1899.

Secretary's Order No. 19606.—Repairs were made to sheathing on deck of pier. Begun November 16 and finished November 20, 1899.

Bulkhead between Piers, new 42 and 43, N. R.

Secretary's Order No. 19471.—The backing-log was repaired. Begun December 11 and finished December 15, 1899.

Pier, new 43, N. R.

Secretary's Order No. 19063.—Repairs were made to sheathing on deck of pier. Begun May 4 and finished June 28, 1899.

Secretary's Order No. 19635.—Repairs were made to sheathing on deck of pier. Begun November 27 and finished December 6, 1899.

Piers, new 46 and 47, N. R.

Secretary's Order No. 18985.—Repairs were made to sheathing on approach to piers. Begun May 22 and finished May 24, 1899.

Pier, old 56½, N. R.

Secretary's Order No. 19582.—Repairs were made to sheathing on deck of pier. Begun November 28 and finished December 6, 1899.

Pier, old 58½, N. R.

Secretary's Order No. 19000.—Piles were driven and fastened and sheathing on deck of pier repaired. Begun May 1 and finished May 6, 1899.

General Repairs.

Secretary's Order No. 19366.—Repairs were made to sheathing on deck of pier. Begun and finished August 8, 1899.

Secretary's Order No. 19583.—Repairs were made to sheathing on deck of pier. Begun December 5 and finished December 6, 1899.

Bulkhead between Piers, old 58½ and 59, N. R.

Secretary's Order No. 19313.—The backing-log was repaired. Begun August 19 and finished August 21, 1899.

Pier, old 59, N. R.

Secretary's Order No. 19029.—One new pile was driven and sheathing was patched. Used 1,995 feet, B. M., of spruce. Begun May 11 and finished May 13, 1899.

Secretary's Order No. 19314.—The pavement in front of pier was repaired and the sheathing was patched. Used 4,453 feet, B. M., of 3-inch yellow pine. Begun August 14 and finished August 18, 1899.

Secretary's Order No. 19598.—One fender pile was renewed. Begun and finished November 28, 1899.

West Thirteenth Street, N. R.

Secretary's Order No. 18675.—Repairs were made to sheathing on deck of pier. Begun January 11, and finished January 19, 1899.

Secretary's Order No. 19001.—Repairs were made to sheathing on deck of pier. Begun May 2 and finished May 3, 1899.

Secretary's Order No. 19243.—Repairs were made to sheathing on deck of pier. Begun June 17 and finished July 18, 1899.

West Seventeenth Street, N. R.

Secretary's Order No. 19002.—Repairs were made to sheathing on deck of pier. Begun May 8 and finished May 10, 1899.

Secretary's Order No. 19322.—The sheathing on pier was patched. Used 20,904 feet, B. M., of 3-inch spruce. Begun August 25 and finished September 1, 1899.

West Nineteenth Street, N. R.

Secretary's Order No. 18748.—Repairs were made to sheathing and fenders on pier. Begun January 9 and finished January 11, 1899.

Secretary's Order No. 18999.—Repairs were made to sheathing on deck of pier. Begun May 17 and finished May 19, 1899.

Secretary's Order No. 19638.—Rangers were placed, chocks renewed, backing-log repaired and sheathing patched. Used 22,405 feet, B. M., of yellow pine. Begun November 28 and finished December 15, 1899.

West Twentieth Street, N. R.

Secretary's Order No. 18692.—Repairs were made to sheathing on deck of pier. Begun January 1 and finished January 9, 1899.

Secretary's Order No. 18886.—Repairs were made to sheathing on deck of pier. Begun and finished March 10, 1899.

Secretary's Order No. 19003.—Repairs were made to sheathing on deck of pier. Begun May 11 and finished May 18, 1899.

Secretary's Order No. 19265.—Repairs were made to sheathing on deck of pier. Begun July 18 and finished August 3, 1899.

Secretary's Order No. 19589.—The sheathing on pier was patched. Used 9,409 feet, B. M., of spruce. Begun November 16 and finished November 24, 1899.

General Repairs.

Pier, new 55, N. R.

Secretary's Order No. 19186.—Substructure of pier was repaired. Begun June 20 and finished June 24, 1899.

West Twenty-eighth Street, N. R.

Secretary's Order No. 18843.—Fence around truck pound was repaired and area was filled in to grade. Begun February 11 and finished March 17, 1899.

Pier at West Thirtieth Street, N. R.

Secretary's Order No. 17508.—Repairs were made to sheathing on deck of pier. Begun August 8 and finished August 24, 1899.

Secretary's Order No. 19008.—The sheathing on pier was patched. Used 28,000 feet, B. M., of 3-inch yellow pine. Begun May 25 and finished June 10, 1899.

Secretary's Order No. 19585.—Chocks and spring piles were refastened. Begun October 30, and finished October 31, 1899.

Approach to Pier at Forty-fourth Street, N. R.

Secretary's Order No. 18989.—The approach was repaired and new plank was laid. Used 2,924 feet, B. M., of 3-inch yellow pine. Begun June 3 and finished June 12, 1899.

Pier foot of Forty-fourth Street, N. R.

Secretary's Order No. 19411.—The sheathing on pier was renewed and chocks, mooring-posts and backing-log were repaired. Used 84,970 feet, B. M., of yellow pine. Begun August 14 and finished November 14, 1899.

Pier at Forty-seventh Street, N. R.

Secretary's Order No. 19170.—The sheathing on pier was patched. Used 10,541 feet, B. M., of 3-inch yellow pine. Begun June 13 and finished June 21, 1899.

Secretary's Order No. 19472.—The sheathing on pier and approach was patched and chocks were placed. Used 12,887 feet, B. M., of yellow pine. Begun September 20 and finished November 3, 1899.

Pier at West Fifty-first Street, N. R.

Secretary's Order No. 18877.—Chocks on pier were refastened. Begun March 13 and finished March 14, 1899.

Secretary's Order No. 19156.—The sheathing on pier was patched. Used 4,815 feet, B. M., of 3-inch yellow pine. Begun June 21 and finished June 30, 1899.

Secretary's Order No. 19584.—The sheathing on pier was patched. Used 9,217 feet, B. M., of 3-inch spruce. Begun December 5 and finished December 13, 1899.

Pier foot of Fifty-second Street, N. R.

Secretary's Order No. 19026.—Piles were driven, chocks were renewed and the sheathing patched. Used 4,705 feet, B. M., of yellow pine. Begun June 30 and finished July 10, 1899.

Pier at Fifty-fifth Street, N. R.

Secretary's Order No. 18884.—Repairs were made to sheathing and chocks on pier. Begun March 8 and finished March 13, 1899.

Secretary's Order No. 19028.—The sheathing was patched with 1,000 feet, B. M., of spruce, 348 feet, B. M., of yellow pine. Begun May 5 and finished May 24, 1899.

Bulkhead between Fifty-fifth and Fifty-sixth Streets, N. R.

Secretary's Order No. 19027.—The backing-log was repaired and iron cleats put on. Begun May 17 and finished May 18, 1899.

General Repairs.

Pier at Fifty-sixth Street, N. R.

Secretary's Order No. 19025.—The sheathing on pier was patched. Used 26,860 feet, B. M., of yellow pine and spruce. Begun May 8 and finished May 22, 1899.

Secretary's Order No. 19529.—The sheathing on pier was patched with 5,303 feet, B. M., of 3-inch spruce. Begun November 11 and finished December 4, 1899.

Bulkhead between Seventy-seventh and Seventy-ninth Streets, N. R.

Secretary's Order No. 19335.—Six half-round fenders were renewed. Begun July 31 and finished August 3, 1899.

West Seventy-eighth and Seventy-ninth Streets, N. R.

Secretary's Order No. 19288.—Mooring posts on bulkhead were renewed. Begun July 8 and finished July 10, 1899.

Pier at Seventy-ninth Street, N. R.

Secretary's Order No. 19218.—Spring piles were refastened, a wooden cleat put on, and the sheathing patched. Used 25 pounds of chain and 3,197 feet, B. M., of 3-inch yellow pine. Begun July 10 and finished July 12, 1899.

Secretary's Order No. 19334.—Half-round oak fenders were renewed, fenders refastened and mooring post placed. Begun July 28 and finished July 31, 1899.

Pier foot of Seventy-ninth Street, N. R.

Secretary's Order No. 19645.—The sheathing on pier was patched. Used 1,405 feet, B. M., of spruce. Begun December 22 and finished December 23, 1899.

Between Seventy-ninth and Eighty-first Streets, N. R.

Secretary's Order No. 19643.—Projecting spikes along the bulkhead were redriven. Begun November 28 and finished December 1, 1899.

Bulkhead between Eightieth and Eighty-first Streets, N. R.

Secretary's Order No. 19644.—Three mooring posts were set and fastened. Begun December 19 and finished December 21, 1899.

Bulkhead and Approach at Ninety-sixth Street, N. R.

Secretary's Order No. 18954.—The approach and bulkhead was repaired and sheathing patched. Used 9,900 feet, B. M., of spruce. Begun May 6 and finished May 9, 1899.

Pier at One Hundred and Twenty-ninth Street, N. R.

Secretary's Order No. 19530.—Spring piles on outer end of pier were refastened. Begun October 9 and finished October 10, 1899.

West One Hundred and Twenty-ninth Street, N. R.

Engineer's Order.—Opening was cut in the backing-log at inner end of pier. Begun and finished July 20, 1899.

Pier at One Hundred and Thirty-first Street, N. R.

Secretary's Order No. 19364.—Girders were placed and sheathing repaired. Used 8,158 feet, B. M., of yellow pine. Begun August 25 and finished September 6, 1899.

Secretary's Order No. 19477.—Repairs were made to the pavement at entrance to pier. Begun September 22 and finished October 2, 1899.

General Repairs.

Pier at One Hundred and Thirty-second Street, N. R.

Secretary's Order No. 18727.—Chocks were renewed and refastened. Begun and finished January 21, 1899.

Secretary's Order No. 19086.—Chocks were placed, and sheathing on pier patched with 565 feet, B. M., of yellow pine. Begun and finished May 29, 1899.

Secretary's Order No. 19336.—The sheathing on pier was patched with 6,781 feet, B. M., of yellow pine. Begun August 3 and finished August 12, 1899.

Secretary's Order No. 19599.—The sheathing on pier was patched with 5,550 feet, B. M., of 3-inch spruce. Begun November 24 and finished December 1, 1899.

West One Hundred and Fifty-eighth Street, N. R.

Secretary's Order No. 18590.—Pavement laid on crib pier foot of street. Begun August 8 and finished September 27, 1899.

Bulkhead between One Hundred and Thirty-first and One Hundred and Thirty-Second Street, N. R.

Secretary's Order No. 18995.—The pavement along bulkhead was repaired. Begun May 1 and finished May 3, 1899.

Bulkhead between One Hundred and Thirty-second and One Hundred and Thirty-third Street, N. R.

Secretary's Order No. 18994.—The pavement along bulkhead was repaired. Begun May 3 and finished May 6, 1899.

Pier at One Hundred and Thirty-third Street, N. R.

Secretary's Order No. 17604.—The sheathing on pier was repaired with 7,572 feet, B. M., of yellow pine. In progress.

Secretary's Order No. 18996.—The pavement at entrance to pier was repaired. Begun May 6 and finished May 8, 1899.

Pier at One Hundred and Thirty-fourth Street, N. R.

Secretary's Order No. 19600.—A chock on southerly side of pier was repaired. Used 150 feet, B. M., of yellow pine. Begun and finished December 1, 1899.

Pier at One Hundred and Fifty-second Street, N. R.

Secretary's Order No. 19365.—The sheathing was patched with 6,084 feet, B. M., of 3-inch spruce. Begun September 2 and finished September 9, 1899.

Foot One Hundred and Fifty-eighth Street, N. R.

Secretary's Order No. 18916.—Cluster piles were driven, braced and fastened. Begun May 29 and finished May 31, 1899.

Pier at One Hundred and Fifty-eighth Street, N. R.

Secretary's Order No. 18796.—Mooring post was placed, backing-log repaired and 2 half-round fenders put on. Begun June 1 and finished June 3, 1899.

Between One Hundred and Fifty-eighth and One Hundred and Fifty-ninth Streets, N. R.

Secretary's Order No. 18718.—Preparing basin for piles furnished under Contract No. 642. Finished January 21, 1899.

General Repairs.

EAST RIVER.

Pier, new 6, E. R.

Secretary's Order No. 18422.—The hydrants on above pier were kept in repair from August 25, 1898, to January 26, 1899. Order returned January 27, 1899.

Secretary's Order No. 18545.—The necessary repairs were made to the mooring posts, chocks and backing-log on above pier. Begun January 19 and finished January 23, 1899.

Secretary's Order No. 18815.—The necessary repairs were made to the deck sheathing, backing-log, fenders, horizontal and vertical chocks on Pier, new 6, East river. Begun January 31 and finished February 6, 1899.

Secretary's Order No. 18824.—The hydrants on Pier, new 6, were repaired. The work consisted of thawing out a frozen main at Pier, new 6, and repairs to frozen main at Pier 48, East river. Begun February 10 and finished February 18, 1899.

Secretary's Order No. 18862.—Repairs were made to the water pipes and hydrants on the above pier, from time to time, as required. Begun February 24 and finished December 28, 1899.

Secretary's Order No. 19039.—The pavement at entrance was repaired, and sheathing on pier patched with 6,048 feet, B. M., of 3-inch spruce. Begun May 15 and finished May 19, 1899.

Secretary's Order No. 19267.—The necessary repairs were made to the deck sheathing on Pier, new 6, East river. Begun August 3 and finished August 8, 1899.

Secretary's Order No. 19384.—Repairing the pier, deck repaired and new sheathing laid. Used 34,523 feet, B. M., of 4-inch yellow pine. Begun December 16, 1899; in progress.

Secretary's Order No. 19712.—The necessary repairs are being made to the water pipes and hydrants on Pier, new 6, from time to time as required. Begun December 28, 1899.

Pier 12, E. R.

Secretary's Order No. 19267.—Repairs were made to the deck sheathing on pier. Begun August 1 and finished August 8, 1899.

Pier 18, E. R.

Secretary's Order No. 18296.—The necessary repairs were made to the pier. The work consisted of replacing with new the sheet-iron covering on the entire easterly side of the shed; also repairs to the leaders, doors and studding. Begun November 9 and finished February 20, 1899.

Pier, old 35, E. R.

Secretary's Order No. 16578.—The bulkhead easterly of and adjoining Pier, old 35, East river, was safely fenced off and maintained. Begun January 3, 1897, and finished February 24, 1899.

Pier, new 29, E. R.

Secretary's Order No. 19319.—Twelve (12) new oak piles (745 linear feet) were driven, backing-log and chocks were renewed and new sheathing laid. Used 64,721 feet, B. M., of yellow pine. Begun October 12 and finished November 27, 1899.

Pier 44, E. R.

Secretary's Order No. 17909.—The work of repairing Pier 44, East river, was proceeded with and completed for a distance of about 250 feet from the crib-bulkhead on the westerly side, where it was terminated. Begun September 15, 1898, and finished February 7, 1899, at which date the removal of entire structure for improvements under New Plan was begun.

Pier 48, E. R.

Secretary's Order No. 18824.—Repairs were made to the hydrants from time to time. Begun February 10 and finished February 18, 1899.

General Repairs.

Secretary's Order No. 18862.—Repairs were made to the water pipes and hydrants from time to time. Begun February 24 and finished December 28, 1899.

Under Secretary's Order No. 19712.—Repairs were made to the water pipes and hydrants from time to time. Begun December 28, 1899; in progress.

Bulkhead foot of Corlears Street, E. R.

Secretary's Order No. 18479.—Two iron bands were placed on the corner of the bulkhead at the foot of above street. Begun January 11 and finished January 12, 1899.

Secretary's Order No. 18649.—Repairs were made to the half-round fenders, vertical sheathing, and backing-log, and one cleat was placed. Begun November 21, 1898, and finished January 12, 1899.

Pier 55, E. R.

Secretary's Order No. 18747.—The sheathing on pier was patched with 8,077 feet, B.M., of 4-inch spruce. Begun January 23 and finished January 27, 1899.

Pier 61, E. R.

Secretary's Order No. 18728.—The sheathing on pier was patched with 1,000 feet, B. M., of 3-inch spruce. Begun and finished January 28, 1899.

Secretary's Order No. 19498.—The sheathing on pier was patched with 250 feet, B. M., of 3-inch spruce. Begun October 20 and finished October 24, 1899.

Pier 62, E. R.

Secretary's Order No. 19172.—Repairs were made to the pier, consisting of replacing a fender chock and refastening the fender piles at the outshore northerly corner of the pier. Begun September 1 and finished September 5, 1899.

Engineer's Order.—Repairs were made to the approach to the above pier. Begun and finished October 19, 1899.

Secretary's Order No. 19496.—The sheathing on pier was patched with 750 feet, B. M., of 3-inch spruce. Begun October 20 and finished October 27, 1899.

Pier foot of Third Street, E. R.

Secretary's Order No. 18672.—Repairs were made to the sheathing on the pier; also the pavement adjacent to the approach was regulated. Begun January 11 and finished January 14, 1899.

Secretary's Order No. 18899.—Repairs were made to the deck sheathing on the pier. Begun March 24 and finished March 25, 1899.

Secretary's Order No. 19174.—The necessary repairs were made to the fender chocks on the pier. Begun August 9 and finished August 11, 1899.

Secretary's Order No. 19402.—Two fender piles were renewed on the outer northerly corner, and one on the outer southerly corner of the pier; also the sheathing on lower deck of the pier was repaired where necessary. Begun October 3 and finished October 7, 1899.

Foot of Fourth Street, E. R.

Secretary's Order No. 18673.—The necessary repairs were made to the backing-log and cleats on the northerly side of the bulkhead. Begun January 16 and finished January 18, 1899.

Secretary's Order No. 18769.—The horizontal and upright chocks on the pier were repaired. Begun and finished January 18, 1899.

Secretary's Order No. 18907.—The necessary repairs were made to the bulkhead at foot of Fourth street, East river. The work consisted of filling in with rip-rap and earth a washout about 4 feet deep in the northeast corner of the crib-bulkhead adjacent to the inner end of the pier. Begun and finished April 3, 1899.

General Repairs.

Pier Foot of Fifth Street, E. R.

Secretary's Order No. 18900.—The necessary repairs were made to the sheathing on the deck of pier at foot of Fifth street, East river. Begun March 24 and finished March 28, 1899.

Secretary's Order No. 19176.—The necessary repairs were made to the deck sheathing on the pier at the foot of Fifth street, East river. Begun June 15 and finished June 22, 1899.

Secretary's Order No. 19479.—The sheathing on pier was patched with 1,000 feet, B. M., of 3-inch spruce. Begun and finished November 22, 1899.

Bulkhead North of Fifth Street, E. R.

Secretary's Order No. 19030.—Placing of new timber to repair the bulkhead. Used 840 feet, B. M., of yellow pine. Begun June 20 and finished June 22, 1899.

Pier Foot of Seventh Street, E. R.

Secretary's Order No. 19646.—The dangerous portion of the approach adjacent to the inner end of the pier at foot of above street was fenced off. The work consisted of placing an open fence about 5 feet high and about 200 feet long. Begun December 6 and finished December 8, 1899.

Pier Foot of Eighth Street, E. R.

Engineer's Order.—A fence was constructed across the inner end of the pier in accordance with this order. Begun August 23 and finished August 24, 1899.

Pier Foot of Eleventh Street, E. R.

Secretary's Order No. 18701.—Possession was taken of portion of the pier and extensive repairs made to the entire structure. Begun December 15, 1898, and finished April 28, 1899.

Pier Foot of Twenty-fourth Street, E. R.

Secretary's Order No. 19152.—Repairs were made to the deck sheathing on the above pier, preparatory to the work of laying 2-inch milled yellow pine planking. Begun June 16 and finished October 5, 1899.

Engineer's Order.—Repairs were made to the backing-log and fenders on the above pier. Begun July 5 and finished July 8, 1899.

Pier Foot of Twenty-sixth Street, E. R.

Secretary's Order No. 19476.—Repairs were made to the deck sheathing on the above pier in accordance with this order. Begun October 14 and finished October 18, 1899.

Between Twenty-sixth and Twenty-eighth Streets, E. R.

Secretary's Order No. 19458.—About 200 linear feet of the 12 by 12-inch backing-log along the bulkhead-wall between the above streets was renewed in accordance with this order. Begun October 14 and finished October 18, 1899.

Pier Foot of Twenty-eighth Street, E. R.

Engineer's Order.—The drips in water-pipes on the above pier were plugged up. Begun and finished April 17, 1899.

Secretary's Order No. 19033.—The sheathing on pier was patched with 2,873 feet, B. M., of 3-inch yellow pine. Begun June 13 and finished June 14, 1899.

Secretary's Order No. 19225.—The sheathing on pier was patched with 5,874 feet, B. M., of 3-inch yellow pine. Begun July 10 and finished July 17, 1899.

Engineer's Order.—Temporary repairs were made to dangerous holes in decking of the above pier. Begun November 17 and finished November 18, 1899.

General Repairs.

Secretary's Order No. 19673.—Mooring posts and chocks were renewed and sheathing on pier patched. Used 2,540 feet, B. M., of yellow pine. Begun December 12 and finished December 16, 1899.

Secretary's Order No. 19676.—Second-hand piles were driven and properly capped for mooring ships "New Hampshire" and "St. Mary's." Used 360 feet, B. M., of yellow pine. Begun November 24 and finished November 28, 1899.

Secretary's Order No. 19712.—Repairs were made to water-pipes and hydrants from time to time. Begun December 28, 1899.

Pier at Twenty-ninth Street, E. R.

Secretary's Order No. 19233.—Piles and chocks were refastened and sheathing patched. Used 7,726 feet, B. M., of yellow pine. Begun June 27 and finished July 8, 1899.

Secretary's Order No. 19457.—7 vertical and 3 horizontal chocks were renewed, and about 25 linear feet of 12 by 12 inch backing log replaced; also the sheathing on the deck of the pier was repaired where necessary. Begun October 19, and finished October 24, 1899.

Pier foot of Thirty-first Street, E. R.

Secretary's Order No. 18797.—A loosened fender pile at the outer northerly side of the pier was repaired in accordance with this order. Begun and finished January 26, 1899.

Pier foot of Thirty-eighth Street, E. R.

Engineer's Order.—A damaged spring pile was refastened at above pier. The work was accomplished on May 17, 1899.

Secretary's Order No. 18897.—A new oak fender pile was placed on the northeast corner of the pier. Begun April 15 and finished April 18, 1899.

Secretary's Order No. 19226.—The sheathing on pier was patched with 1,163 feet, B. M., of 3-inch yellow pine. Begun July 18 and finished July 19, 1899.

Bulkhead foot of Fifty-fourth Street, E. R.

Secretary's Order No. 19046.—The necessary repairs were made to the decking at the bulkhead foot of above street. Begun July 3 and finished July 5, 1899.

Secretary's Order No. 19601.—The approach was patched with 1,260 feet, B. M., of spruce. Begun and finished December 18, 1899.

Pier foot of Sixtieth Street, E. R.

Secretary's Order No. 19047.—The necessary repairs were made to the deck sheathing on the above pier. Begun May 4 and finished May 9, 1899.

Secretary's Order No. 19556.—The sheathing, backing-log and horizontal chocks were repaired. Used 450 feet, B. M., of 3-inch spruce. Begun December 9 and finished December 11, 1899.

Bulkhead between Sixtieth and Sixty-first Streets, E. R.

Secretary's Order No. 18729.—The sheathing on bulkhead was patched with 943 feet, B. M., of 3-inch spruce. Begun January 13 and finished January 14, 1899.

Secretary's Order No. 19048.—The necessary repairs were made to the deck sheathing on the bulkhead platform between the above streets. Begun May 9 and finished May 10, 1899.

Secretary's Order No. 19558.—Fender piles were driven and sheathing on platform patched. Used 602 feet, B. M., of 3-inch spruce. Begun December 8 and finished December 9, 1899.

Pier foot of Sixty-first Street, E. R.

Secretary's Order No. 19049.—The necessary repairs were made to the deck sheathing on the above pier. Begun May 11 and finished May 22, 1899.

General Repairs.

Secretary's Order No. 19557.—One new oak pile was driven, chocks placed and sheathing patched. Used 3,858 feet B. M. of 3-inch spruce. Begun December 5 and finished December 7, 1899.

Bulkhead between Sixty-first and Sixty-second Streets, E. R.

Secretary's Order No. 18731.—The sheathing on bulkhead was patched with 3,540 feet B. M. of 3-inch spruce. Begun January 7 and finished January 13, 1899.

Secretary's Order No. 19050.—The necessary repairs were made to the deck sheathing at the bulkhead. Begun May 22 and finished May 23, 1899.

Secretary's Order No. 19553.—Fender piles, chocks and mooring piles were repaired, piles driven and sheathing patched. Used 1,058 feet, B. M., of 3-inch spruce. Begun December 4 and finished December 5, 1899.

Pier at Sixty-second Street, E. R.

Secretary's Order No. 18693.—The sheathing on pier was patched with 1,157 feet, B. M., of 3-inch spruce. Begun January 11 and finished January 12, 1899.

Secretary's Order No. 19051.—The necessary repairs were made to the deck sheathing on the pier at foot of Sixty-second street, East river. Begun May 24, and finished June 30, 1899.

Secretary's Order No. 19535.—The pier was repaired and chocks put on. Begun and finished December 2, 1899.

Bulkhead foot of Sixty-fourth Street, E. R.

Secretary's Order No. 18781.—Bracing, bearing and fender piles were driven, fish-plates and cross-caps renewed, and new deck laid. Used 11,352 feet of yellow pine and 10,487 feet, B. M., of spruce. Begun January 21 and finished February 16, 1899.

Secretary's Order No. 19554.—The backing-log was repaired and sheathing on pier patched with 7,468 feet, B. M., of 3-inch spruce. Begun November 28 and finished December 1, 1899.

Bulkhead at Seventy-fifth Street, E. R.

Secretary's Order No. 19052.—The necessary repairs were made to the deck sheathing at the bulkhead, foot of above street. Begun July 6 and finished July 7, 1899.

Secretary's Order No. 19559.—Spring piles were refastened with chain. Begun and finished November 2, 1899.

Bulkhead foot of Seventy-sixth Street, E. R.

Secretary's Order No. 18651.—Mooring-post and backing-log renewed and sheathing on bulkhead patched. Used 956 feet, B. M., of yellow pine and 2,170 feet, B. M., of spruce. Begun January 3 and finished January 7, 1899.

Secretary's Order No. 19053.—The necessary repairs were made to the deck sheathing at the bulkhead foot of above street. Begun July 1 and finished July 3, 1899.

Foot of Seventy-ninth Street, E. R.

Secretary's Order No. 19054.—The necessary repairs were made to the deck sheathing on the bulkhead platform at foot of above street. Begun July 5 and finished July 7, 1899.

Pier foot of Seventy-ninth Street, E. R.

Secretary's Order No. 19435.—The work consisted of removing 3 wooden mooring-posts and all the 12 x 12 inch Y. P. backing-log on the pier were renewed. The fender piles on the north and south corners were refastened and chocked and the vertical sheathing at the end and the sheathing on the deck of the pier were repaired where necessary. Begun October 5 and finished October 23, 1899.

General Repairs.

Foot of Eightieth Street, E. R.

Secretary's Order No. 19014.—Test piles were driven. Begun April 21 and finished April 22, 1899.

Piers foot of Eighty-sixth Street, E. R.

Secretary's Order No. 18682.—A new mooring-post was placed ; also, repairs were made to the horizontal and vertical chocks. Begun January 23 and finished January 25, 1899.

Secretary's Order No. 18869.—Three vertical piles, 1 horizontal chock and 1 fender were renewed on the pier. Begun March 13 and finished March 16, 1899.

Secretary's Order No. 18930.—The necessary repairs were made to the deck sheathing on the piers ; also repairs were made to the paving adjacent to inner end of the piers. Begun April 25 and finished July 15, 1899.

Secretary's Order No. 19445.—Side-caps, fenders and braces were placed, bearing and spring piles driven, half-round fenders put on and sheathing patched, chocks and mooring-posts repaired. Used 792 feet, B. M., of yellow pine. Begun November 15 and finished December 14, 1899.

Bulkhead foot of Eighty-sixth Street, E. R.

Secretary's Order No. 16817.—The necessary repairs were made to the gutter drains and curbing at foot of the above street. Begun March 3 and finished March 8, 1899.

Foot of Ninetieth Street, E. R.

Secretary's Order No. 19794.—A fence was constructed across the foot of Ninetieth street, East River, in order to prevent accidents thereat. Begun January 26 and finished January 27, 1899.

Bulkhead foot of Ninety-third Street, E. R.

Secretary's Order No. 18864.—The bulkhead was repaired, piles driven, braces and chocks placed and new deck laid ; pavement was also repaired. Begun February 20 and finished March 11, 1899.

Pier foot of Ninety-fourth Street, E. R.

Secretary's Order No. 19626.—Repairs were made to the deck sheathing on the southerly half of pier. Begun December 7 and finished December 9, 1899.

Pier foot of Ninety-fifth Street, E. R.

Secretary's Order No. 19623.—Repairs are being made to the above pier, in accordance with this order. Begun December 5, 1899.

Pier foot of Ninety-sixth Street, E. R.

Secretary's Order No. 18818.—Repairs were made to the fender chocks on the pier. A few small patches were put in the deck sheathing. Begun and finished May 4, 1899.

Secretary's Order No. 19624.—Repairs are being made to the pier at the above location in accordance with this order. Begun December 5, 1899.

Foot of One Hundred and Ninth Street, H. R.

Engineer's Order.—Repairs were made at the backing-log at the foot of above street ; begun and finished February 15, 1899.

Pier at One Hundred and Tenth Street, H. R.

Secretary's Order No. 19181.—The backing-log was repaired and sheathing patched. Used 5,433 feet, B. M., of 3-inch yellow pine. Begun July 19 and finished July 26, 1899.

Pier at One Hundred and Seventeenth Street, H. R.

Secretary's Order No. 18708.—Repairs to pier, finished January 3, 1899.

General Repairs.

Secretary's Order No. 18677.—The approach was repaired, rangers and chocks placed and decks renewed. Used 4,960 feet, B. M., of yellow pine and 7,980 feet, B. M., of 4-inch spruce. Begun January 6 and finished January 23, 1899.

Engineer's Order.—Repairs were made to the dangerous holes in the deck sheathing. Begun May 25 and finished May 29, 1899.

Secretary's Order No. 19203.—The necessary repairs were made to the decking, deck sheathing and fender chocks on the pier in accordance with this order. The entire deck sheathing was renewed. Begun June 29 and finished July 13, 1899.

Pier at One Hundred and Twentieth Street, H. R.

Secretary's Order No. 19446.—Fastened piles and put on chocks. Begun and finished October 12, 1899.

Bulkhead North of One Hundred and Twentieth Street, H. R.

Secretary's Order No. 19092.—Sleepers were laid and the structure planked. Used 12,218 feet, B. M., of yellow pine. Begun June 15 and finished June 29, 1899.

Foot of One Hundred and Twenty-fifth Street, H. R.

Secretary's Order No. 18746.—The necessary repairs were made to the backing-log at the outer end of the bulkhead-wall. The work consisted of replacing with new 75 feet of the backing-log, drilling holes in the coping and fastening it. Begun December 30, 1898, and finished January 9, 1899.

Docks at Fordham, H. R.

Secretary's Order No. 19575.—The inner end of Fordham landing was fenced off with second-hand material. Begun and finished October 28, 1899.

Throgg's Neck.

Secretary's Order No. 19235.—A fence was constructed at the above location in accordance with this order. Begun October 26 and finished October 27, 1899.

BOROUGH OF BROOKLYN.

Between Bay Thirty-first and Thirty-second Streets, Bensonhurst.

Secretary's Order No. 18742.—Fence erected by William H. West not having been removed by him within five days after notice from this Department, was removed on January 9, 1899.

Douglass Street, Gowanus Canal, Brooklyn.

Secretary's Order No. 19683.—The backing-log was renewed. Begun December 28 and finished December 30, 1899.

Bulkhead foot of Creamer Street.

Secretary's Order No. 19207.—Necessary repairs were made to fenders and fender piles. Begun June 22 and finished June 26, 1899.

Bulkhead foot of Dock Street.

Secretary's Order No. 19371.—Necessary repairs were made to pavement. Begun August 24 and finished August 25, 1899.

Bulkhead at Wallabout Canal.

Secretary's Order No. 19463.—Necessary repairs were made. Begun October 12 and finished November 18, 1899.

General Repairs.

Pier 2, Wallabout Basin.

Secretary's Order No. 19648.—Plant of Consolidated Ice Company was removed. Begun November 8 and finished December 18, 1899.

Pier foot of South Fifth Street.

Secretary's Order No. 19098.—Deck sheathing was repaired. Begun May 18 and finished May 23, 1899.

Shed foot of South Fifth Street.

Secretary's Order No. 19263.—Repairs were made to sheathing fenders, between June 29 and July 13; to fenders on August 29, 1899.

Pier at South Fifth Street, Brooklyn.

Secretary's Order No. 19263.—Loose chocks were refastened. Begun and finished August 29, 1899.

Pavement foot of North Second Street.

Secretary's Order No. 19357.—Necessary repairs were made on the east side. Begun July 31 and finished August 1, 1899.

Recreation Shed, Pier foot of North Second Street.

Secretary's Order No. 19247.—Necessary foundation piles and capping were placed. Begun June 26 and finished August 2, 1899.

Pier foot of Noble Street, Brooklyn.

Secretary's Order No. 19437.—Repairs were made to the pier in accordance with this order. Begun September 5 and finished September 6, 1899.

Secretary's Order No. 18923.—Chocks, fenders and backing log were renewed, and sheathing on deck of pier patched. Used 10,012 feet, B. M., of 3-inch by 4-inch spruce, and 99 feet, B. M., of yellow pine. Begun April 18 and finished April 25, 1899.

Bulkhead foot of Harris Avenue, Long Island City.

Secretary's Order No. 19562.—Fender piles were driven, backing log repaired, and chocks and cleats renewed. Used 1,152 feet, B. M., of yellow pine. Begun November 6 and finished November 8, 1899.

BOROUGH OF QUEENS.

Dock foot of Webster Avenue, Long Island City.

Secretary's Order No. 19451.—Necessary repairs were made. Begun October 12 and finished November 4, 1899.

Pier foot of Pier Street, Rockaway Beach, Jamaica Bay.

Secretary's Order No. 19409.—Pier was fenced off. Begun and finished August 22, 1899.

BOROUGH OF THE BRONX.

Dock site, Throgg's Neck.

Secretary's Order No. 19235.—Dock site taken possession of and boundaries thereof fenced. Begun October 26 and finished October 27, 1899.

REPAIRING PERMANENT PAVEMENT.

Pier A and West Eleventh Street, N. R.

Secretary's Order No. 18753.—Granite pavement at Barclay street, Piers, new 15 and 38, was taken up and relaid to grade. Begun January 1 and finished January 18, 1899.

General Repairs.

Secretary's Order No. 18800.—Pavement in front of Piers 15, 39 and 40 was taken up and relaid to grade. Begun January 19 and finished February 24, 1899.

Secretary's Order No. 18832.—Pavement in front of Piers, new 13, 28, 41 and 42, was taken up and relaid to grade. Begun February 25 and finished March 29, 1899.

Secretary's Order No. 18918.—Pavement in front of Piers, new 20, 22, 25, 26, 27, 36 and 40, was taken up and relaid to grade. Begun March 30 and finished April 21, 1899.

Secretary's Order No. 19023.—Pavement in front of Piers, new 15, 27, 28 and 36, was taken up and relaid to grade. Begun April 22 and finished May 2, 1899.

Secretary's Order No. 19116.—Pavement in front of Piers, new 18, 21, 22, 25, 26, 27, 28 and 29, was taken up and relaid to grade. Begun May 3 and finished October 5, 1899.

Secretary's Order No. 19577.—Pavement in front of Piers 7, 24, 26, 27, 28, 29 and 42, was taken up and relaid to grade. Begun October 6 and finished November 17, 1899.

Secretary's Order No. 19663.—Pavement in front of Pier, new 29, was taken up and relaid to grade. Begun November 18 and finished November 21, 1899.

Piers A and new 1, N. R.

Treasurer's Order No. 20008.—Uvalde Asphalt Paving Company, laying asphalt pavement. Begun May 29, and finished June 30, 1899.

Surplus paving blocks were removed. Begun July 1 and finished July 6, 1899.

Pier, new 1, N. R.

Treasurer's Order No. 20035.—Uvalde Asphalt Paving Company, laying asphalt pavement. Begun June 8 and finished June 17, 1899.

Pier, new 13, N. R.

Treasurer's Order No. 20197.—Uvalde Asphalt Company, laying asphalt pavement. Begun September 20 and finished October 5, 1899.

Piers, new 13, 14, 15, Barclay Street, Pier, new 23, and Chambers Street, N. R.

Treasurer's Order No. 20197.—Uvalde Asphalt Paving Company, repairing asphalt pavement. Begun October 3, and finished December 23, 1899.

Pier, new 14, N. R.

Treasurer's Order No. 20080.—Uvalde Asphalt Paving Company, laying asphalt pavement, Begun July 15 and finished August 11, 1899.

Barclay Street, N. R.

Treasurer's Order No. 20035.—Uvalde Asphalt Paving Company, laying asphalt pavement. Begun June 26 and finished July 1, 1899.

Secretary's Order No. 19143.—Pavement in front of pier was taken up and relaid to grade. Begun April 29 and finished June 13, 1899.

Chambers Street, N. R.

Secretary's Order No. 19462.—Restored asphalt pavement to original condition. Begun and finished October 8, 1899.

Treasurer's Order No. 20044.—Uvalde Asphalt Paving Company, laying asphalt pavement. Begun June 13 and finished July 21, 1899.

Harrison Street, N. R.

Treasurer's Order No. 20226.—Uvalde Asphalt Paving Company, laying asphalt pavement. Begun October 16 and finished October 23, 1899.

General Repairs.

Pier, new 35, N. R.

Secretary's Order No. 18293.—Pavement in front of pier was taken up and relaid to grade. Begun January 1 and finished January 20, 1899.

Pier, new 36, N. R.

Secretary's Order No. 19142.—Pavement in front of pier was taken up and relaid to grade. Begun April 29 and finished August 4, 1899.

Piers, new 38, 39, 40 and 41, N. R.

Treasurer's Order No. 20265.—Uvalde Asphalt Paving Company, laying asphalt pavement. Begun October 24 and finished November 25, 1899.

Piers, new 42 and 43, N. R.

Treasurer's Order No. 20254.—Uvalde Asphalt Paving Company, laying asphalt pavement. Begun November 11 and finished December 22, 1899.

Christopher Street, N. R.

Treasurer's Order No. 20360.—Uvalde Asphalt Paving Company, laying asphalt pavement. Begun July 1 and finished August 25, 1899.

Secretary's Order No. 19141.—Pavement in front of ferry was taken up and relaid to grade. Begun August 5 and finished August 25, 1899.

West Eleventh to Fifty-seventh Street, N. R.

Secretary's Order No. 18612.—Pavement at West Twenty-third street, Piers, new 55 and 57 was taken up and relaid to grade. Begun April 6 and finished August 8, 1899.

Pier, old 56½, to Bloomfield Street, N. R.

Secretary's Order No. 19393.—Strip of pavement was laid in front of platform at oyster basin. Begun August 18 and finished September 23, 1899.

Pier, new 50, N. R.

Treasurer's Order No. 20184.—Uvalde Asphalt Paving Company, laying asphalt pavement. Begun September 7 and finished October 17, 1899.

Piers, new 51 and 52, N. R.

Treasurer's Order No. 20137.—Uvalde Asphalt Paving Company, laying asphalt pavement. Begun August 21 and finished August 29, 1899.

West Twenty-third Street, N. R.

Treasurer's Order No. 20009.—Uvalde Asphalt Paving Company, laying asphalt pavement. Begun July 3 and finished July 19, 1899.

Piers, new 54 and 55, N. R.

Treasurer's Order No. 20306.—Uvalde Asphalt Paving Company, laying asphalt pavement. Begun December 15 and finished December 30, 1899.

Secretary's Order No. 19434.—Pavement at Pier, new 58, and north of Pier, new 52, was taken up and relaid to grade. Also Piers new, 48 and 49. Begun August 9 and finished November 1, 1899.

Marginal Street between Fiftieth and Fifty-seventh Streets, N. R.

Secretary's Order No. 19057.—Clearing area of piles, dirt, debris, etc., and placing drain boxes thereon to drain off water. Begun May 9 and finished November 15, 1899.

General Repairs.

West Seventy-seventh and Seventy-eighth Streets, N. R.

Treasurer's Order No. 19927.—George E. Plunkitt, laying strip of pavement. Begun April 17 and finished May 1, 1899.

Treasurer's Order No. 19883.—George E. Plunkitt, laying strip of pavement. Begun May 11 and finished May 24, 1899.

Treasurer's Order No. 20088.—George E. Plunkitt, laying strip of pavement. Begun July 18 and finished August 5, 1899.

Setting curbing.

Treasurer's Order No. 20296.—George E. Plunkitt, laying strip of pavement. Begun and finished December 26, 1899.

West Seventy-eighth and Seventy-ninth Streets, N. R.

Treasurer's Order No. 20048.—George E. Plunkitt, laying strip of pavement. Begun June 21 and finished June 29, 1899.

West Seventy-ninth and Eightieth Streets, N. R.

Treasurer's Order No. 20047.—George E. Plunkitt, laying strip of pavement. Begun July 5 and finished July 19, 1899.

West One Hundred and Twenty-ninth Street, N. R.

Secretary's Order No. 19972.—Pavement at foot of street was taken up and relaid to grade. Begun and finished May 29, 1899.

Between One Hundred and Twenty-ninth and One Hundred and Thirtieth Streets, N. R.

Secretary's Order No. 19135.—Pavement at foot of street was taken up and relaid to grade. Begun May 31 and finished June 2, 1899.

EAST RIVER.

Pier 4, E. R.

Secretary's Order No. 19358.—Necessary repairs were made to pavement in front of pier. Begun August 3 and finished August 7, 1899.

Pier, new 6, E. R.

Secretary's Order No. 19315.—The necessary repairs were made to pavement on the approach to above pier. The work consisted of repairing a small cave-in, about two yards square, and was begun and completed July 29, 1899.

Foot of Twenty-fourth Street, E. R.

Secretary's Order No. 18874.—Repairs were made to pavement in front of plank approach ending to East Twenty-fourth street Pier. Begun March 26 and finished April 28, 1899.

Foot of Eighty-sixth Street, E. R.

Secretary's Order No. 18975.—The necessary repairs were made to pavement adjacent to deck sheathing on north and south piers, foot of above street. Begun May 2 and finished May 4, 1899.

East Ninety-first Street, E. R.

Secretary's Order No. 18816.—The temporary pavement adjacent to inner end of pier foot of above street was repaired. Also several ruts within marginal street were filled in. Begun April 13 and finished April 17, 1899.

General Repairs.

Pier foot of Ninety-fifth Street, E. R.

Secretary's Order No. 18976.—Repairs were made to pavement adjacent to inner northerly side of pier. Begun April 6 and finished May 11, 1899.

Foot of One Hundred and First Street, H. R.

Secretary's Order No. 18670.—The pavement was properly graded to meet grade of pavement laid by Department of Highways. Begun December 19, 1898, and finished January 26, 1899.

Foot of One Hundred and Ninth Street, H. R.

Secretary's Order No. 18990.—An approach 30 feet wide was paved from the paving under control of Department of Highways to paving in rear of bulkhead-wall, which is virtually an extension of the One Hundred and Ninth street paving across Marginal street. Begun May 18 and finished July 17, 1899.

Foot of One Hundred and Sixteenth Street, H. R.

Secretary's Order No. 19497.—Repairs were made to approach to pier. The work consisted of replacing earth-filling where washed out; also the granite-block pavement was taken up and relaid where necessary. Begun October 4 and finished October 9, 1899.

Between One Hundred and Thirty-seventh and One Hundred and Thirty-eighth Streets, H. R.

Secretary's Order No. 18939.—Repairs were made to pavement adjacent to westerly side of Madison Avenue Bridge. The work consisted of regrading and resetting the paving for its entire length; also slight repairs were made to dangerous holes in crib-bulkhead between One Hundred and Thirty-ninth and One Hundred and Fortieth streets, Harlem river. Begun April 4 and finished May 2, 1899.

Depot Place, H. R.

Secretary's Order No. 18537.—Repairs were made to a pile platform. Begun October 22, 1898, and finished April 27, 1899.

Pier foot Prospect Street, City Island.

Secretary's Order No. 19460.—Pier was repaired. Begun September 19 and finished October 6, 1899.

General Expense.

GENERAL EXPENSE.

Pier "A," N. R.

Repairs were made to building on pier. Storm sashes placed and removed. Begun January 23 and finished August 8, 1899.

Secretary's Order No. 19505.—Decorated pier with bunting on reception of Admiral Dewey. Begun September 26 and finished October 2, 1899.

Barclay Street, N. R.

Secretary's Order No. 19355.—Placing "islands" on crosswalks in front of ferry. Begun and finished August 3, 1899.

Cortlandt Street, N. R.

Secretary's Order No. 18909.—Structures of Pennsylvania Railroad Company in front of property leased to John H. Starin were removed. Begun March 13 and finished April 17, 1899.

General Expense.

Cortlandt to West Twenty-seventh Street, N. R.

Treasurer's Orders Nos. 19940, 19941, 19980, 19981, 20040, 20041, 20042, 20073, 20074, 20075, 20119, 20120, 20126, 20158, 20159, 20160, 20203, 20204, 20205, 20245, 20246 and 20247.—Thomas Kelly and Edward Carley sprinkling paved area. Begun April 12 and finished December 1, 1899.

Piers, new 31 and 32, N. R.

Secretary's Order No. 19523.—Fence was placed along bulkhead and removed. Begun September 28 and finished October 3, 1899.

Pier, old 42, N. R.

Secretary's Order No. 18863.—Hydrant and piping on pier was kept in repair. Begun July 1 and finished August 18, 1899.

Pier, new 41, N. R.

Removing and renewing gravel bin. Begun August 15 and finished September 15, 1899.

Repairing and painting gravel bin. Begun April 29 and finished November 3, 1899.

Piers, new 41 and 42, N. R.

Secretary's Order No. 18722.—Ice bridge on bulkhead belonging to R. J. Foster was removed to permit the dumping of snow. Begun January 3 and finished February 16, 1899.

Pier, new 42, N. R.

Secretary's Order No. 19311.—Tunnel structures south of pier were removed. Begun November 16 and finished November 25, 1899.

Pier, new 43, N. R.

Secretary's Order No. 19117.—Repairs were made to the recreation structures. Begun April 3 and finished June 17, 1899.

Treasurer's Order No. 19972.—Thomas M. Nugent, painting the roof of recreation structure. Begun May 3 and finished May 9, 1899.

Pier, new 43, N. R.

West Fiftieth and West One Hundred and Twenty-ninth streets—Secretary's Orders Nos. 19117 and 19436.—Repairs were made to recreation structures on piers. Begun July 1 and finished November 18, 1899.

Christopher Street, N. R.

Secretary's Order No. 19356.—Placing "islands" on crosswalks in front of ferry. Begun and finished August 4, 1899.

West Tenth Street, N. R.

Engineer's office was repaired and painted. Begun January 3 and finished December 30, 1899.

Treasurer's Order No. 19925.—Plumbing placed in office by Joseph P. Duffy. Begun March 30 and finished March 31, 1899.

West Nineteenth Street, N. R.

Secretary's Order No. 18866.—Hydrant and piping on pier was kept in repair. Begun July 1 and finished August 21, 1899.

West Twenty-fourth Street, N. R.

Secretary's Order No. 19219.—Excavation made to repair water-pipe leading to Pier, new 54. Begun June 10 and finished June 13, 1899.

General Expense.

Pier, new 56, N. R.

Secretary's Order No. 18012.—Inspection made of sewer built by the Department of Sewers. Begun and finished November 15, 1899.

West Twenty-eighth Street, N. R.

Secretary's Order No. 19376.—Removing truck pound and storing material at Gansevoort Section. Begun August 7 and finished August 15, 1899.

West Thirty-fourth Street, N. R.

Repairing and painting office. Begun July 7 and finished July 17, 1899.

West Forty-second Street, N. R.

Repairing office. Begun October 2 and finished October 5, 1899.

Man-of-War Landing—Maintenance.

Secretary's Order No. 12837.—Landing was transferred from Forty-second street, North river, to north side of Thirty-fourth street, North river, and a platform built, and it was then removed to the south side of Thirty-fourth street, North river, and piles driven to keep landing in place. In progress.

West Seventy-fifth Street, N. R., Timber Basin.

Engineer's Order.—Day and night men assigned to watch and care for basin. In progress.

West One Hundred and Fifth Street, N. R.

Secretary's Order No. 19504.—Building reviewing stand. Begun September 28 and finished September 29, 1899.

West One Hundred and Twenty-ninth Street, N. R.

Secretary's Order No. 19475.—Building fence at inner end of pier. Begun September 26 and finished September 29, 1899.

Removing fence. Begun and finished October 3, 1899.

Pile Basins at One Hundred and Fifty-third and One Hundred and Fifty-fourth Streets, N. R.

Secretary's Order No. 18718.—Pile basins were built under this order for maintaining and care of piles to be furnished the Department under Contract No. 642, between West One Hundred and Fifty-third and One Hundred and Fifty-fourth streets, and between One Hundred and Fifty-eighth and One Hundred and Fifty-ninth streets, North river. Begun December 24, 1898, and finished January 20, 1899.

Pier foot of Jackson Street, Rutgers Section and foot of Twenty-third Street, E. R.

Secretary's Order No. 19522.—Fences were constructed across the inner end of pier foot of Jackson street along Rutgers Section, and at the foot of Twenty-third street, East river, in accordance with request of Police Department, for the purpose of protecting the public from accidents on the day of the Naval Parade of September 29, 1899. Begun September 26 and finished September 27, 1899.

East Twenty-eighth Street and Thirty-first Streets, E. R.

Secretary's Order No. 19227.—A Dock Master's office which was located on the East Thirty-first street pier was loaded on a scow and transferred to the East Twenty-eighth street pier. This work was accomplished June 28, 1899.

General Expense.

BOROUGH OF BROOKLYN.

Dock Master's Offices at Wallabout Basin.

Secretary's Order No. 19670.—Sewer and water-main were connected therewith. Begun December 2 and finished December 7, 1899, by J. D. Duffy under Treasurer's Order No. 20290.

Bensonhurst Bay, Thirty-second Street.

Secretary's Order No. 18724.—36 old piles were pulled and three rows of ribbon pieces were removed in accordance with this order. Begun January 9 and finished January 10, 1899.

Floating Property.

FLOATING PROPERTY.

The floating property of the Department consists of the following :

	BUILT.	LENGTH.	BREADTH.	DEPTH.	DRAUGHT.
		Ft. In.	Ft. In.	Ft. In.	Ft. In.
100-ton Derrick.....	1871-72	70	65	12 10½	10.30
40-ton Derrick, formerly 12-ton Derrick, No. 1.....	1899	70	30	7 6	5
12-ton Derrick No. 2.....	1891	70	30	7 6	5
" No. 3.....	1892	70	30	7 6	5
10-ton Derrick.....	1874	40 6	35.25	7	3 2
Tug "Pier".....	1891	98	19 5	.....	9 10
Pile-driver No. 4.....	1890	45	22	5	2 5
" No. 5.....	1891-92	46	23	5 6	2 10
" No. 6.....	1891-92	42 7	20 6	4 8	2 6
" No. 7.....	1874	42 8	20 5	4	2 2
" No. 8.....	1874	42 7	20 5	4	2 2
" No. 9.....	1888	45	22	5	2 1
" No. 10.....	1881	50 4	26	5 7½	3 7½
" No. 11.....	1881	50 4	26	5 7½	3 7½
" No. 12.....	1890	45	22	5	2 9
" No. 13.....	1892	46	23	5 6	2 10
" No. 14.....	1893	46	23	5 6	2 10
" No. 15.....	1893	45	22	5	2 7
" No. 16.....	1893	45	22	5	2 7
" No. 17.....	1899	53	28	7	2 3
" No. 18.....	1899	45	22	5	2
Deck Scoop "B".....	1875	71	30	7	5 6
" "C".....	1875	70	30	7	5 6
" "D".....	1875	70	30	7	5 6
" "F".....	1874	34 4	16 3	4 5	3 5
" "H".....	1887	70	30	7 6	6

Floating Property.

	BUILT.	LENGTH.		BREADTH.		DEPTH.		DRAUGHT.
		Ft.	In.	Ft.	In.	Ft.	In.	
Deck Scow "I"	1887-88	70		30		7	6	6
" " "K"	1888	70		30		7	6	6
" " "L"	1889	70		30		7	6	6
" " "M"	1892	70		30		7	6	6
" " "N"	1891	70		30		7	6	6
" " "O"	1891	70		30		7	6	6
" " "P"	1893	70		30		7	6	6
" " "S"	1892	50	4	26		5	7	1 11
" " "U"	1894	70		30		7	6	6
Divers' Scow "A"	1888	34		17		3	6	18½
" " "G"	1883	34		17		3		14
" " "N"	1889	34		17		3	6	15
" " "S"	1891	34		17		3	6	15
" " "T"	1894	34		17		3	6	1
Borer "Woodcock"	1870	28	2	14	5	3	4	2
Steam Launch "Frolic"	Purchased 1899	49	8	8		5		42
Naphtha Launch No. 1	1888	21		5		2	3	22
" " No. 2	1893	25		6		2	5	1 10
Alco Vapor Launch	1898	30	9	6	6	4		26

27 yawl boats, 1 bateau, 1 rowboat and 8 sounding boats; 3 skiffs; 2 sets of landways, one 30 feet and one 45 feet high; 1 set of inclined 50-foot pile-driver ways; 1 land boring machine; 1 scow used as boat landing at Pier "A," North river.

Repairs have been made during the year to hulls, machinery, houses, rigging, decks, fenders and equipment in general, by the force of the Department, and all floating property kept in good order and condition. One pile-driver, No. 1, was condemned and destroyed.

Twelve-ton derrick No. 1 has been converted into a 40-ton derrick under unanimous resolution of the Board, November 11, 1898.

The floating plant of the Department has been increased by the purchase of one steam launch "Frolic," and the construction of two new pile-drivers, Nos. 17 and 18. A contract has been awarded for the construction of a new steel propeller.

Department Yards.

DEPARTMENT YARDS.

WEST FIFTY-SEVENTH STREET YARD, N. R.

Machine Shop.—Cut and threaded machine bolts, made and repaired tools, repaired machinery, made nipples and did the miscellaneous work required to be done in the shop.

Engine Room.—Cleaned, repaired and attended boiler, engines, machinery, saws, etc.; repaired steam-pipes, windows, etc.; sawed timber for use on work of the Department, sawed stakes for use of surveying party, fitted up saws, made shaft for lathe, put skylight in roof of shop

Department Yards.

and did the general work in engine-room. September 14 Police Department tested boiler No. 5952 in shop or engine-room.

Granite Yard.—Repaired and cleaned boiler, machinery, etc.; cleaned up and removed old rubbish in yard. February 2 the Police Department tested boiler No. 4875 in Granite Yard.

Testing Room.—Cleaned and repaired testing machine and outfit; tested iron, rope, etc., used on Department work.

Coal Pockets.—Made and fitted up davits; made and painted engine-house; repaired boiler, engine, steam-pipes, boom, coal pockets, derrick, etc.; cleaned boiler and engine and kept same in repair.

During the year received, hoisted and weighed coal furnished, as follows :

George W. Winant & Son, Contract No. 646	243 ⁶¹⁷ ₁₁₄₀
A. M. Wittenberg, Contract No. 653	700 ¹¹⁴⁶ ₁₁₄₆
A. M. Wittenberg, Contract No. 664	751 ²⁹⁰ ₁₁₄₆
John Rheinfrank & Co., Treasurer's Order No. 20080	205
John Rheinfrank & Co., Treasurer's Order No. 20170	192
Total	2,092²⁴⁵₁₁₄₆

Sand and Stone Bin.—Repaired and cleaned engine, derrick, etc., used for hoisting sand, broken stone, cement, etc.

Concrete Mixing Platform and Engine.—Repaired and cleaned engine, steam fittings, pipes, concrete mixer, etc., used for making concrete base blocks.

Repaired engine-house on north end of platform.

Storehouses and Shed.—Repaired and pitched roof of storehouse, windows, etc.; also fitted up shelves, partitions, etc., in new storehouse on bulkhead.

Repaired and pitched roof, etc., of spar shed.

Blacksmith Shop.—Made and repaired iron-work, sharpened tools and did other miscellaneous work for use on the Department work.

Offices.—Fitted up steam pipes, radiators, partition, etc., in office of Mr. Lansing.

Fitted up partition, door, closets, radiator and steam pipes, and varnished office of Superintendent of Machinery.

Repaired windows, water and waste pipes, stove pipes and steam-heating apparatus in offices.

Gate House.—Repaired doors and windows and laid new floor in gatehouse used by the watchmen thereat.

Repaired blocks, tools, etc., made pike poles, ladders, hanging fenders, tools, deck plugs, windlass bars, hammer handles, patterns, etc.; filed cross-cut and circular saws, spun oakum, heated pitch, cleaned up pier, removed snow, pumped out scows and attended to all the floating property laid up at West Fifty-Seventh Street Yard.

Made tools, tide gauge staffs, sounding rods, chisels, stakes, etc., for use of surveying party.

Made mould boxes for concrete base blocks.

Repaired old ways of pile-driver No. 9.

Cut samples for granite on Contract No. 643.

Made boxes for storing old records, samples, etc., at Pier "A," North river.

Repaired tools, etc., for use in blacksmith shop.

Cut pile sights for use on the North and East River Sections.

Repaired push and pulls for Gansevoort Section.

Removed reviewing stands on West Fifty-seventh Street Pier, etc., used on Dewey day.

Department Yards.

The force of the Department was engaged during the year making, altering and repairing L and U moulds and cores and making 42 L and U moulds and cores at Forty-second Street Section, North river, resolution of Board, June 27, 1899.

Stripping and setting up moulds and cores and making concrete—98 concrete "L" blocks, numbered from 1 to 98 inclusive, containing 1,803.20 cubic yards, and 97 concrete "U" blocks, numbered from 1 to 97 inclusive, containing 1,591.77 cubic yards, and two 42 "L" blocks, numbered 1 and 2, containing 36.82 cubic yards; also two 42 "U" blocks, numbered 1 and 2, containing 37.56 cubic yards, were made.

The force was also engaged loading concrete material, consisting of cement, sand and broken stone on scows, and also concrete blocks, same to be set at the following sections and works :

Park Place Section, North river, resolution of Board, December 30, 1897.

Barclay Street Section, North river, resolution of Board, December 30, 1897.

Watts Street Section, North river, resolution of Board, June 17, 1898.

Watts Street Section Extended, North river, resolution of Board, February 3, 1899.

Gansevoort Section, North river, resolution of Board, June 17, 1897.

East Twenty-third Street Section, East river, resolution of Board, January 27, 1899.

Catharine Section, East river, resolution of Board, February 24, 1899.

Rutgers Section, East river, resolution of Board, February 3, 1899.

Received and stored 10,021 barrels of Portland Cement under Treasurer's Orders Nos. 19770, 19889 and 19908 and Contract No. 655. Samples of same were tested and the results recorded and reported; also received and stored sand and broken stone, under Treasurer's Orders, for making concrete.

The force cleaned and repaired roofs of storehouses and offices, repaired cement hoist, repaired and painted cement shed and fitted up partition and closets in office.

Received, weighed, stored, and branded new material, under contracts and Treasurer's Orders, consisting of spike bolts, nails, lumber, rope, canal barrows and numerous other articles. Loaded cement on scows for pavement at Ganesvoort Section, North river, for J. M. Sheehan, contractor, under Secretary's Order No. 18917.

Unloaded paving blocks from scows, under Secretary's Order No. 18596, and account of removal of old work at Ganesvoort Section. Assisted erecting and removing reviewing stand at One Hundred and Fifth and One Hundred and Sixth streets and Riverside drive, under Secretary's Order No. 19504.

Bulkhead between Fiftieth and Fifty-seventh streets, North river.—Cleaned and graded marginal street between the above streets, under Secretary's Order No. 19057. Commenced May 9, 1899, and temporarily suspended work until June 6, 1899, and completed same on November 15, 1899.

The force assisted taking account of stock on hand to confirm the inventory.

Samples of 8,911¾ barrels of cement, received under Treasurer's Orders Nos. 19970, 19889, and 19908 and Contract No. 655, from East Twenty-fourth Street Yard, were tested, and results recorded and reported.

TIMBER BASIN, SEVENTY-FIFTH STREET, N. R.

The Department's force was engaged during the year receiving, inspecting and rafting yellow pine timber, under Contracts Nos. 636, 641 and 658, and Treasury Orders Nos. 19687, 19920 and 20166, and piles under Contract No. 642 and Treasurer's Orders Nos. 19337, 19458, 19993, 20164, 20165 and 20167, and getting out timber and piles for the following repairs and construction work :

Park Place Section, North river, resolution of Board, December 30, 1897.

Barclay Street Section, North river, resolution of Board, December 30, 1897.

Watts Street Section, North river, resolution of Board, June 17, 1898.

Department Yards.

- Watts Street Section Extended, North river, resolution of Board, February 3, 1899.
 Gansevoort Section, North river, resolution of Board, June 17, 1897.
 West Forty-second Street Section, North river, resolution of Board, June 27, 1899.
 Rutgers Section, East river, resolution of Board, February 3, 1899.
 Catharine Street Section, East river, resolution of Board, February 24, 1899.
 East Twenty-third Street Section, East river, resolution of Board, January 27, 1899.
 East Ninety-ninth Street Section, East river, resolution of Board, June 11, 1897.
 Oyster Basin at Bloomfield street, North river, resolution of Board, August 26, 1898.
 Pier at Bloomfield street, North river, resolution of Board, August 26, 1898.
 Pier, new 29, North river, resolution of Board, January 6, 1899.
 Pier at Twentieth street, East river, resolution of Board, February 11, 1898.
 Approach to Pier at Eleventh street, North river, resolution of Board, June 11, 1897.
 Approach to Pier, old 42, North river (Canal Street Section), resolution of Board, December 10, 1891.
 Pier at Twenty-second street, East river, resolution of Board, July 10, 1899.
 Pier, new 26, North River Extension, resolution of Board, June 9, 1899.
 Pier, new 45, North River Extension, resolution of Board, June 2, 1899.
 Pile Driver No. 17, Account of Floating Property, resolution of Board, February 24, 1899.
 Pile Driver No. 18, Account of Floating Property, resolution of Board, July 25, 1899.
 Pavement to approach to Thirty-fourth Street Pier, North river, Treasurer's Order No. 19920.
 Pier at Eleventh street, East river, Secretary's Order No. 18701.
 Bulkhead at Pier at Thirty-fifth street, East river, Secretary's Order No. 19697.
 Boat landing at Pier A, North river, Secretary's Order No. 18798.
 Pier at Forty-third street, North river, Secretary's Order No. 18801.
 Pier at Canal street, North river, Secretary's Order No. 18868.
 Pier 48, East river, Secretary's Order No. 18725.
 Randall's Island Float Stage, Secretary's Order No. 19010.
 Pier at One Hundred and Thirty-fourth street, North river, Secretary's Order No. 19006.
 Pier at Thirtieth street, North river, Secretary's Order No. 19008.
 Riker's Island Platform, Secretary's Order No. 19107.
 Pier at Forty-fourth street, North river, Secretary's Order No. 18989.
 Bulkhead at Seventy-fifth street, North river, Secretary's Order No. 19100.
 Public Baths at Duane street, North river, Secretary's Order No. 18775.
 Piers, new 14 and 15, North river, Secretary's Order No. 19302.
 Bulkhead between Piers 1 and 2, North river, Secretary's Order No. 19368.
 Blackwell's Island, Secretary's Order No. 19373.
 Pier at Thirtieth street, North river, Secretary's Order No. 17505.
 Pier at One Hundred and Thirty-first street, North river, Secretary's Order No. 19364.
 Pier at Forty-fourth street, North river, Secretary's Order No. 19411.
 Naval Boat Landing at Thirty-fourth street, North river, Secretary's Order No. 12837.
 Pier, new 29, East river, Secretary's Order No. 19319.
 Pier, new 6, East river, Secretary's Order No. 19384.
 Pier, new 13, North river, Secretary's Order No. 19533.
 Pier, old 42, North river, Secretary's Order No. 19606.
 Pier, new 43, North river, Secretary's Order No. 19635.
 Pier at Nineteenth street, North river, Secretary's Order No. 19638.
 Pier at Twenty-eighth street, North river, Secretary's Order No. 19673.
 Stock for East Twenty-fourth Street Yard, Engineer's Orders.
 New moulds and cores for 42 "L and U" blocks.
 Test Piling at Thirty-ninth street, North river, Engineer's Orders.

Department Yards.

Laid curb and inspected pavement between Seventy-seventh and Eighty-first streets, North river, under Treasurer's Orders No. 20172, 20192, 20239 and 20240, and Secretary's Orders Nos. 19422, 19521 and 19674.

Also engaged in general care and maintenance of timber and piles in basins.

Statement of the Transactions in Piles and Yellow Pine Timber at the Timber Basin for the year ending December 29, 1899.

		Y. P., feet.
On hand December 31, 1898.....		1,068,050
Received in 1899—		
Contract No. 636.....	373,233	
" No. 641.....	1,650,396	
" No. 658.....	1,115,577	
" No. 668.....	36,325	
" No. 607.....	10,460	
Treasurer's Order No. 19353.....	60,000	
" No. 19687.....	101,917	
" No. 20166.....	192,629	
		3,540,537
	Piles.	
" No. 19337.....	294	
" No. 19458.....	19	
" No. 19993.....	1,000	
" No. 20164.....	676	
" No. 20165.....	1,152	
" No. 20167.....	600	
" No. 20258.....	12	
Contract No. 642.....	4,026	
Total.....	7,779	4,608,587
Transferred in 1899—		
	Piles.	Y. P.
North River Section.....	3,802	1,015,612
East River Section.....	3,865	1,292,521
General repairs.....	4	558,135
Floating property.....	1	75,494
Fifty-seventh Street Yard.....		52,755
Total.....	7,672	2,994,517
On hand December 29, 1899.....	107	1,614,070

EAST TWENTY-FOURTH STREET YARD, E. R.

WORK DONE AT YARD.

5,366 batches of concrete were made and placed in moulds, and the following base blocks were manufactured therefrom : 81 lower blocks and 82 upper blocks of the Watts Street Section type ; 3 special 9 feet blocks (complete), 3 special 8 feet 7 inches blocks (complete), 2 special 10 feet blocks (complete) of the Watts Street Section type. Also 4 angle blocks, 1 23-UU block, and 10 blocks of the East Twenty-third street type. Also, 1 special block, 1876 type, for the East

Department Yards.

Ninety-ninth Street Section ; 1 special 13 feet block for Park Place Section, North river, and 2 special angle blocks for North river, of the type of 1876.

Moulds were constructed, painted, repaired, altered, stripped, sludged and set up for the work.

The following base blocks were loaded on scows for various sections on the East and North rivers, together with the necessary concrete material :

Park Place Section, North river—4 standard "A" blocks and 1 special block of the type of 1876.

Barclay Street Section, North river—4 standard "A" blocks, 1876 type.

Canal Street Section Extended—1 special 10 feet 10 inches block of the 1876 type.

Desbrosses Street Section, North river—9 standard "A" blocks, of 1876 type, under Secretary's Order No. 18575, and 8 blocks of the Watts Street Section type, under Secretary's Order No. 19580, account of H. D. Steers.

Watts Street Section, North river—1 block of Watts Street Section type.

Watts Street Section Extended—2 blocks of Watts Street type ; also 3 9-foot special blocks and 1 8 feet 7 inches block of the Watts Street Section type.

South Canal street, North river—Secretary's Order No. 18575—7 blocks of Watts Street Section type, and 2 special 8 feet 7 inches blocks of Watts Street Section type.

Gansevoort Section, North river—5 standard "A" blocks, 1 12 feet 9 inches, special, and 2 special angle blocks of type of 1876 ; also 1 block of Watts Street Section type.

Catherine Section, East river—10 blocks, Watts Street type.

Rutgers Section, East river—24 blocks, Watts Street type ; also 2 special 10 foot blocks, Watts Street type.

East Twenty-third Street Section, East river.—26 blocks, Watts Street type.

East Ninety-ninth Street Section—3 standard "A" blocks, 1876 type.

Granite was cut and loaded on scows, with concrete material, for the following points: Gansevoort Street, Barclay Street, Watts Street, Park Place sections, North river ; Catharine, Rutgers, East Twenty-third and East Ninety-ninth Streets sections, East river. Stone cutters' tools were dressed for the work.

Granite delivered under Contracts Nos. 635, 640 and 643 and Treasurer's Orders Nos. 19745, 20214 and 20233 was inspected and regulated off East Twenty-fifth Street Pier.

Sand delivered under Treasurer's Orders Nos. 19467, 19685, 19994 and 19996, and broken stone under Treasurer's Orders Nos. 19774 and 20085, were hoisted to storage bins.

Cement delivered under Contracts Nos. 655 and 663 and Treasurer's Orders Nos. 19770, 19889 and 19908 was inspected, weighed and stored.

Piles delivered under Contract No. 642 and Treasurer's Order No. 19994 were inspected and rafted. Piles and timber were rafted for the East river work. Ironwork was made and repaired for East river work. Mooring-posts delivered under Contract No. 656 were painted and sample pieces cut. Iron casings delivered under Treasurer's Order No. 20127 were loaded on scow for transfer to the West Fifty-seventh Street Yard. Repairs were made to Pile Drivers Nos. 1 and 10, to the 10 and 100-ton derricks, to Scows "F," "H," "M," "O," "P" and thorough repairs were made to Divers' Scow "A" ; also repairs were made to surveyors' small boats. Assistance was given crew of 40-ton derrick in testing the machinery and placing extra rigging. A tool-house was made and fitted up for use on the work under Secretary's Order No. 18701 at East Eleventh Street Pier. A ladder was made for use at Pier 44, East river, under Secretary's Order No. 17909. Divers' dresses, etc., were repaired. Paint was mixed for East river work. A blacksmith's shop was fitted up for use at Rutgers Section, East river. Sand was loaded on scow for use on the work at One Hundred and Ninth street, Harlem river, under Secretary's Order No. 18990. Pile-driver ways were constructed. A crown board was made for the work at Pier 48, East river, under Secretary's Order No. 18725. Snatch blocks were made for Catharine Section, East river. A tool-house was fitted up for use at Pier 48, East river, under Secretary's

Department Yards

Order No. 18725. Cant hooks, pike poles, etc., were made for East river work. A drawing board was made for Rutgers Section office. Closets were made and fitted up for use of attendants on the East Twenty-fourth Street Pier. Mould boards were made for East river sections. Dowels, straight-edges, profiles, tide gauges, sights, etc., were made for the East Twenty-third Street Section. Stakes were made for surveyors. Hooks were made for use of Life Saving Crew on East Twenty-fourth Street Recreation Pier. Paving stones were loaded on scow for use at Dock street, Brooklyn, under Secretary's Order No. 19371. Settees removed from East Twenty-fourth Street Pier were loaded on scows for use during Naval Celebration of September 29, 1899, under Secretary's Order No. 19505. Records from Pier "A" were stored. A watchman's house was made and painted for use at East One Hundred and Thirteenth Street Basin. A closet was made for East Twenty-third Street Section.

MAINTENANCE OF YARD.

Repairs were made to the boiler and machinery, to the traveling crane and track, to a forge in blacksmith shop, to the storage bins, to flooring of engine-room, to steps and flagging at entrance to office, to the yard driveway, to small boats, to water and gas pipes, and to a watchman's house at entrance to yard. Tools delivered under Treasurer's Order No. 19748 were stored. Tools in use were repaired. Pike poles, cant hooks, straight-edges, etc., were made. Material from old work was stored. Spikes, bolts, iron, etc., were assorted, weighed and stored. Paving stones were piled. A ladder and skids were made for handling cement. Old batter ways were stored. A screen was made and placed in office at entrance. Closets, shops, storerooms, the traveling crane, etc., were painted. New flooring was placed in main room of office building. Condemned material was assorted for public auction. Shelves and frames were made for use in office. Glass was placed in broken windows. The storage bins were trimmed. Granite stored on the East Twenty-fifth Street Pier was regulated. Spalls were collected from about the granite cuttings and broken to size of concrete stone. Granite transferred from the North river was unloaded from scows and stored. A platform was constructed at inner end of the East Twenty-fifth street Pier for base blocks. Stairs were built from the deck of East Twenty-fifth street Pier to the storage bins. An extension to the bulkhead platform was made. New decking was placed on bulkhead platform. A small storehouse was built on extension of bulkhead platform and fitted up. A trench was dug from the office building to the engine-house for gas-pipe, and fixtures were fitted up in engine-room. Gutters were made and placed on shed over mixing platform. Shutters were made and placed for partial inclosure of shed over the mixing platform and painted. A closet was made for inclosure of telephone in office building. Rubbish was collected and burned. Old wood was cut up for use in making fires. The yard, East Twenty-fifth Street Pier, platforms, etc., were kept clean, and the property of the Department was watched and cared for.

SALE OF OLD MATERIAL AT PUBLIC AUCTION.

The following old material was sold at public auction on June 5, 1899, and was removed by the purchasers :

At Seventy-fifth Street Timber Basin, N. R.

- Lot 1. Catamaran of old pile butts and timber, about 25 feet by 50 feet by 3 feet.
- " 2. Catamaran of old pile butts and timber, about 25 feet by 50 feet by 3 feet.
- " 3. Raft of old timber and planking, about 20 feet by 35 feet by 3 feet.

At West Fifty-seventh Street Yard, N. R.

- Lot 4. About 20,000 pounds of old wrought-iron.
- " 5. About 5,400 pounds of old cast-iron.
- " 6. About 440 pounds of old zinc, pumps, etc.

Department Yards.

- Lot 7. About 500 pounds of old rubber hose.
- " 8. About 300 pounds of old cotton hose.
- " 9. About 8 old divers' suits.
- " 10. About 8 pairs old rubber boots.
- " 11. About 12 oil barrels.
- " 12. About 6 pieces armature plates.
- " 13. One set of second-hand armature plates, about 3,000 pounds.
- " 14. Two Remington No. 2 typewriting machines.
- " 15. 143 iron enameled signs.

At East Twenty-third Street Section, E. R.

- Lot 16. About 60 pieces of pile butts, 10-27 feet.
- " 17. About 48 pieces of pile butts and tops, 8-26 feet lengths.
- " 18. About 64 pieces of pile butts and tops, 8-26 feet lengths.
- " 19. About 40 pieces of pile butts and tops, 8-26 feet lengths.
- " 20. About 300 linear feet of 6-inch wrought-iron pipe.

At East Twenty-fourth Street Yard, E. R.

- Lot 21. About 40 pieces of pile butts and tops, 8-26 feet.
- " 22. About 128 pieces of pile butts, 8-26 feet lengths.
- " 23. Raft of old timber, about 50 pieces, divers sizes and lengths.
- " 24. About 2,000 pounds of old scrap-iron.
- " 25. About 22 pieces pile butts and tops, 21-29 feet lengths.
- " 26. About 20 pieces pile butts and tops, 6-20 feet lengths.
- " 27. About 16 pieces pile butts and tops, 20-30 feet lengths.
- " 28. About 21 pieces pile butts and tops, 8-27 feet lengths.
- " 29. About 38 pieces pile butts and tops, 7-27 feet lengths.
- " 30. About 34 pieces pile butts and tops, 10-25 feet lengths.
- " 31. About 32 pieces pile butts and tops, 11-28 feet lengths.
- " 32. About 36 pieces pile butts and tops, 10-28 feet lengths.
- " 33. About 6 pieces, 12 inches by 12 inches, timber, 26-28 feet lengths.
- " 34. Raft of old planking, 11 feet by 33 feet by 4 feet.
- " 35. Raft of old planking, 28 feet by 28 feet by 8 feet.
- " 36. Bunch of old timber, divers sizes and lengths.

At Foot of One Hundred and Fourteenth Street, H. R.

- Lot 37. Raft of old timbers, 3 inches by 10 inches, size of raft 34 feet by 21 feet by 3 feet.
- " 38. About 12 pieces pile butts, 10 feet long.
- " 39. Raft of pile butts, 8-26 feet lengths.
- " 40. Raft of pile butts, 8-26 feet lengths.

Statement of Granite, East Twenty-fourth Street Yard, January 1, 1899, to December 31, 1899.

Granite.

	CONTRACT OR TREASURER'S ORDER NUMBER RECEIVED UNDER.	DATE OF CONTRACT OR TREASURER'S ORDER.	ON HAND, JANUARY 1, 1899.	RECEIVED DURING THE YEAR.	ISSUED TO THE WORK.	BALANCE ON HAND, DECEMBER 31, 1899.	ACCUTED PRICE PER CUBIC FOOT.	AMOUNT.
Headers and stretchers.....	Treasurer's Order No. 14,67.....	Oct. 21, 1899	Cubic Feet. 20.7	Cubic Feet.	Cubic Feet.	Cubic Feet. 20.7	\$0 99	\$20 43
"	"	June 15, 1899	331.2	.....	.....	331.2	64	211 97
"	"	May 24, 1899	.....	667.0	.....	667.0	89	593 63
"	"	Oct. 11, "	.....	1,409.1	832.2	556.9	1 15	640 44
"	Contract No. 112.....	Mar. 25, 1890	11.08	.....	.....	11.08	63	6 98
"	"	July 11, 1890	15.5	.....	.....	15.5	99	15 34
"	"	Nov. 5, "	67.3	.....	15.7	51.6	95	49 02
"	"	May 4, 1891	39.1	.....	29.8	9.3	90	8 37
"	"	Oct. 21, "	51.4	.....	16.5	34.9	97	33 85
"	"	" 28, "	277.2	.....	137.3	139.9	91	127 31
"	"	Mar. 21, 1892	1,227.1	.....	265.0	962.1	97	933 24
"	"	Apr. 14, "	1,427.9	.....	345.6	1,082.3	99	1,071 48
"	"	" 25, 1893	1,562.0	.....	130.2	1,431.8	1 21	1,732 48
"	"	Sept. 12, "	2,338.2	.....	446.1	1,892.1	97	1,835 34
"	"	" 22, "	2,334.1	.....	687.6	1,646.5	95	1,564 17
"	"	Dec. 19, 1896	1,596.4	1,403.3	1,960.4	2,039.3	96	997 73
"	"	Aug. 10, 1898	4,369.0	1,959.9	4,395.0	1,933.9	94 10	1,935 27
"	"	Dec. 12, "	.....	21,497.9	17,326.1	4,155.8	89	3,707 56
Coping stones.....	Treasurer's Order No. 19,745.....	Nov. 23, "	.....	1,431.3	959.9	471.4	2 00	942 80
"	Contract No. 357.....	" 5, 1890	74.8	.....	74.8	.....	1 13	.....
"	"	May 4, 1891	79.2	.....	.....	79.2	1 13	89 50
"	"	Oct. 28, "	233.3	.....	80.8	152.5	1 11	169 28
"	"	Mar. 21, 1892	325.8	.....	.....	325.8	1 23	400 73
"	"	Apr. 14, "	317.4	.....	236.6	80.8	1 45	117 16
"	"	Sept. 12, 1893	2,905.9	.....	1,213.4	1,686.5	1 37	2,310 50
"	"	" 22, "	321.7	.....	158.9	162.8	1 34 1/2	219 37
"	"	Dec. 19, 1896	2,119.2	2,008.2	1,668.4	2,459.0	1 10	2,704 90
"	"	" 12, 1898	.....	10,095.7	2,144.7	7,946.0	1 19	9,455 74
			22,051.48	40,461.4	33,151.0	29,361.88	.....	\$31,800 59

Work Done for Other Departments.

WORK DONE FOR OTHER DEPARTMENTS.

WORK DONE FOR FINANCE DEPARTMENT.

During the year the Department tug has been in the service of the City Paymaster for 326 hours, and hired tugs for 54 hours—total, 380 hours.

WORK DONE FOR DEPARTMENT OF CHARITIES.

Pier at Twenty-Sixth Street, E. R.

Secretary's Order No. 19019.—Piles were pulled and piles driven and other necessary repairs made to rack. Used second-hand material. Used 2 second-hand mooring posts. Begun June 5 and finished July 24, 1899.

Bulkhead between Twenty-sixth and Twenty-seventh Streets, E. R.

Secretary's Order No. 18809.—15 oak spring and fender piles were driven and fastened with ribbon pieces, put on fish plates. Used 1,104 feet, B. M., of yellow pine. Begun February 7 and finished February 18, 1899.

Pier at One Hundred and Twentieth Street, H. R.

Secretary's Order No. 19474.—The float thereat was refastened with chain to pier. Begun September 22 and finished September 25, 1899.

Storehouse Dock, Blackwell's Island.

Secretary's Order No. 18810.—The backing-log, mooring posts, cleats and fender piles were renewed and sheathing and landing float repaired. Begun February 17 and finished February 27, 1899.

Dock at Metropolitan Hospital, Blackwell's Island.

Secretary's Order No. 19449.—Nine second-hand piles were driven and fastened with ribbon pieces. Used 75 feet, B. M., of 3-inch yellow pine. Begun September 11 and finished September 12, 1899.

Float Landing, City Hospital Dock, Blackwell's Island.

Secretary's Order No. 19448.—Cluster and spring piles were driven and landing repaired. Begun October 5 and finished October 10, 1899.

City Hospital Dock, Blackwell's Island.

Secretary's Order No. 19541.—Spring piles were driven and fastened and deck patched. Used second-hand material. Begun November 9 and finished November 14, 1899.

Randall's Island.

Secretary's Order No. 19010.—The float stage was repaired, piles driven, braces placed and new deck laid. Begun May 10 and finished May 16, 1899.

Rowboat Landing, Randall's Island.

Secretary's Order No. 19473.—Piles around landing were strengthened and braced. Begun October 10 and finished October 11, 1899.

Dock at Randall's Island.

Secretary's Order No. 18829.—Extending the Dock—Piles were driven, floor logs laid, caps and chocks placed and rangers and deck placed. Used 17,612 feet, B. M., of yellow pine and 16,023 feet, B. M., of spruce. Begun March 13 and finished May 9, 1899.

Randall's Island.

Secretary's Order No. 18912.—The float was repaired. Begun April 10 and finished April 12, 1899.

Work Done for Other Departments.

WORK DONE FOR FIRE DEPARTMENT.

Battery Place Wharf.

Secretary's Order No. 19316.—Piles and braces were refastened. Used 40 pounds chain. Begun July 18 and finished July 20, 1899.

Pier foot of Grand Street, E. R.

Secretary's Order No. 19375.—A fence was placed across the pier at the foot of Grand street, East river, at a point 78 feet from the inner end, in accordance with a request of Chief of Fire Department. The work consisted of constructing a tight board fence 10 feet 6 inches high and 42 feet long. Begun August 14 and finished August 19, 1899.

Foot of Ninety-ninth Street, E. R.

Secretary's Order No. 19647.—A small platform is being constructed at the foot of the above street, adjacent to the ferry structures, about 25 feet in width and about 125 feet long, for use of the Fire Department, in accordance with request of said Department. Begun November 23; in progress.

WORK DONE FOR THE POLICE DEPARTMENT.

Pier "A," N. R.

Secretary's Order No. 18855.—The fender system on the north side was repaired in accordance with the request of the Police Department. Begun May 5 and finished May 9, 1899.

Engineer's Order.—A hole was cut in the asphalt flooring on the lower deck of Pier "A," North river, for the accommodation of the Police Department. Begun and finished August 8, 1899.

WORK DONE FOR DEPARTMENT OF CORRECTION.

Coal Dock, Blackwell's Island.

Secretary's Order No. 18867.—Piles were driven, mooring posts placed, and chocks put on. Begun February 25 and finished March 1, 1899.

Riker's Island.

Secretary's Order No. 19662.—Construction of a Launch Hoist. Begun December 15, 1899; in progress.

WORK DONE FOR DEPARTMENT OF WATER SUPPLY.

Piers Foot of Twentieth and Twenty-fourth Streets, E. R.

Secretary's Order No. 19132.—The pipes, castings, etc., belonging to the Department of Water Supply which were stored on the approach to the pier at the foot of Twenty-fourth street, East river, were removed by this Department, and placed on the pier at the foot of Twentieth street, East river. Begun May 24 and finished June 19, 1899.

Pier Foot of Twenty-sixth Street, E. R.

Engineer's Order.—Hatchways were cut in the deck of the pier, and afterwards fastened down for the accommodation of the Department of Water Supply. Begun March 8 and finished March 23, 1899.

WORK DONE FOR DEPARTMENT OF PUBLIC BUILDINGS, LIGHTING AND SUPPLIES.

Secretary's Order No. 18775.—Approaches to bath were placed, and at the end of the season taken away, at the following places:

Foot Duane street, North river; foot Twentieth street, North river; Pier at Fifty-first street, North river; Pier at One Hundred and Thirty-fourth street, North river; foot Market street, East river; Pier at Third street, East river; foot Eighteenth street, East river; foot Twenty

Work Done for Other Departments.

fourth street, East river ; foot Ninety-first street, East river ; foot One Hundred and Thirty-sixth street, East river.

Secretary's Order No. 19252.—Foot Eighty-second street, North river.
Begun June 3 and finished October 2, 1899.

WORK DONE FOR DEPARTMENT OF STREET CLEANING.

Riker's Island.

Secretary's Order No. 18859.—Building a temporary pier 180 feet long with second-hand material, cost to be collected from Department of Street Cleaning. Begun March 10 and finished April 7, 1899.

Secretary's Order No. 19107.—Strengthening temporary pier, cost to be collected from Street Cleaning Department.

Secretary's Order No. 19059.—The stage landing was repaired. Begun May 23 and finished June 3, 1899.

RECAPITULATION OF DREDGING DONE FOR STREET CLEANING DEPARTMENT, 1899.

LOCATION	AMOUNT. CUBIC YARDS.	AUTHORIZATION.	BEGUN.	FINISHED.
Canal street, North river.....	813	Contract No. 629.....	Jan. 11, 1899	Jan. 11, 1899
“ “	577	“ 649.....	July 18, “	July 18, “
West Nineteenth street, North river.....	1,728	“ 649.....	Oct. 20, “	Oct. 21, “
West Thirtieth street, North river.....	4,200	Treasurer's Order No. 20320	Dec. 31, “	Dec. 31, “
West Forty-seventh street, North river...	474	Contract No. 638.....	Jan. 24, “	.....
“ “	1,215	“ 638.....	.....	July 28, 1899
Rutgers street, East river	410	“ 562.....	Mar. 29, 1899	Mar. 29, “
East Twenty-eighth street, East river.....	437	“ 562.....	Jan. 30, “	Jan. 31, “
East Thirty-eighth street, East river.....	895	“ 647.....	May 10, “	May 11, “
“ “	1,082	“ 665.....	Dec. 14, “	Dec. 15, “
East Forty-sixth street, East river.....	172	“ 562.....	Jan. 10, “	Jan. 10, “
East One Hundred and Tenth street, { Harlem river.....	586	“ 562.....	Feb. 12, “	Feb. 12, “
Lincoln avenue, Harlem river.....	890	“ 570.....	Mar. 24, “	Mar. 24, “

Work Done for Owners, Lessees, etc.

WORK DONE FOR OWNERS, LESSEES, ETC.

WORK DONE FOR ALLEGED OWNERS, LESSEES AND OTHERS BY AGREEMENT WITH SAME, OR ON THEIR REFUSAL OR NEGLECT TO COMPLY WITH THE ORDER OF THE BOARD, AND AT THE EXPENSE OF THE PARTIES FOR WHOM THE WORK WAS DONE.

NORTH RIVER.

Battery Steamboat Landing, N. R.

Secretary's Order No. 19383.—Cluster piles were repaired where damaged by Starin Line steamer, cost to be collected from the Starin Line. Begun August 23 and finished August 24, 1899.

Work Done for Owners, Lessees, etc.

Pier, new 1, N. R.

Secretary's Order No. 18760.—A mooring post was placed on inshore end of pier damaged by steamship "Indraville," cost to be collected from Funch, Edye & Co. Begun January 23 and finished January 25, 1899.

Secretary's Order No. 18888.—Under this order the backing-log and string piece were repaired for the Mallory Line. Begun March 10 and finished March 15, 1899.

Secretary's Order No. 18934.—A mooring post damaged by steamship "Andes" was renewed, cost to be collected. Begun May 2 and finished May 10, 1899.

Pier 6, N. R.

Secretary's Order No. 19564.—Pavement removed by Michael Clifford to repair pipe was relaid to grade. Begun and finished November 3, 1899.

Pier, new 15, N. R.

Secretary's Order No. 18730.—Pavement removed by the American Line to repair pipe was relaid to grade. Begun January 1 and finished January 19, 1899.

Pier, new 26, N. R.

Secretary's Order No. 19494.—Pavement removed by the old Dominion Steamship Company to repair pipe was relaid to grade. Begun September 20 and finished October 14, 1899.

Pier, new 37, N. R.

Secretary's Order No. 19151.—Pavement removed by John Klenk to repair pipe was relaid to grade. Begun May 24 and finished June 7, 1899.

Piers, new 38 and 39, N. R.

Secretary's Order No. 18848.—Pavement removed by L. E. Muller to place scales was relaid to grade. Begun February 23 and finished February 24, 1899.

Pier, new 39, N. R.

Secretary's Order No. 18745.—Pavement removed by the Consolidated Gas Company to repair pipe was relaid to grade. Begun January 4 and finished January 7, 1899.

Pier, new 40, N. R.

Secretary's Order No. 18970.—Pavement in front of pier was taken up and relaid to grade where removed by the Cunard Steamship Company to repair pipe. Begun April 5 and finished April 7, 1899.

Pier, new 42, N. R.

Secretary's Order No. 19689.—Tunnel structures south of pier were removed for the Hudson Tunnel Railway Company. Begun November 16 and finished November 26, 1899.

Pier, new 43, N. R.

Secretary's Order No. 19122.—Gangways were cut in south side pier for the Catskill and New York Steamboat Company. Begun May 18 and finished May 22, 1899.

Secretary's Order No. 19341.—Cleats were placed on outer end of pier for the Knickerbocker Steamboat Company. Begun July 22 and finished July 24, 1899.

Christopher Street, N. R.

Secretary's Order No. 19754.—Pavement at Christopher street removed by the Consolidated Gas Company to repair pipe was relaid to grade. Begun and finished March 1, 1899.

Work Done for Owners, Lessees, etc.

Jane to Gansevoort Street, N. R.

Secretary's Order No. 17785.—Piles were driven in rear of wall for shed foundations for the Cunard Steamship Company. Begun January 1 and finished March 5, 1899.

Pier, new 52, N. R.

Secretary's Order No. 18822.—Three fender piles damaged by the Lehigh Valley Railroad Company were removed and replaced. Begun April 22 and finished April 24, 1899.

Bloomfield Street, N. R.

Secretary's Order No. 19452.—Cutting gangways in pier for the Citizens' Steamboat Company. Begun September 15 and finished September 20, 1899.

West Twenty-third Street, N. R.

Secretary's Order No. 18877.—Pavement removed by the Metropolitan Street Railway Company was relaid to grade. Begun April 1 and finished May 9, 1899.

Pier, new 54, N. R.

Secretary's Order No. 19130.—Pavement removed by the American Air Power Company to place pipes was relaid to grade. Begun July 25 and finished August 1, 1899.

Pier, new 55, N. R.

Secretary's Order No. 19361.—Pavement removed by the Atlas Steamship Company to repair pipe was relaid to grade. Begun August 1 and finished August 8, 1899.

Piers, new 57 and 58, N. R.

Secretary's Order No. 18890.—Repairs were made to backing-log on bulkhead where damaged by the Rogers Towing Company. Begun March 8 and finished March 13, 1899.

Piers, new 54 and 55, N. R.

Secretary's Order No. 19379.—Pavement removed by the Union Ice Company to place pipe was relaid to grade. Begun August 5 and finished August 8, 1899.

Bulkhead between Forty-third and Forty-fourth Streets, N. R.

Secretary's Order No. 19342.—The backing-log was repaired; cost to be collected from the Morris & Cummings Company. Begun and finished July 24, 1899.

Bulkhead between Ninety-seventh and Ninety-eighth Streets, N. R.

Secretary's Order No. 18873.—Renewed half-round oak fender; cost to be collected from Pennsylvania Railroad Company. Begun May 2 and finished July 22, 1899.

Foot of One Hundred and Thirtieth Street, N. R.

Secretary's Order No. 19320.—The sheathing on platform was patched and rangers renewed. Used 2,358 feet, B. M., of yellow pine; cost to be collected from Riverside and Fort Lee Ferry Company. Begun July 25 and finished July 28, 1899.

Pier at One Hundred and Thirty-first Street, N. R.

Secretary's Order No. 18776.—One oak spring pile was driven and fastened; cost to be collected from Riverside and Fort Lee Ferry Company. Begun and finished May 26, 1899.

Pier at One Hundred and Thirty-fourth Street, N. R.

Secretary's Order No. 19006.—The pier was thoroughly repaired; cost to be collected from McDermott. Begun May 5 and finished May 25, 1899.

EAST RIVER.*Pier 18, E. R.*

Secretary's Order No. 18799.—Two gangways were cut in the backing-log on the easterly side of Pier 18, East river, in order to facilitate the work of berthing the steamers of the New York and Cuba Mail Steamship Company, and the cost of the work was reported for collection from the said company.

Pier, new 32, E. R.

Secretary's Order No. 18846.—The necessary repairs were made to the pier where damaged by the steamer "Fitchburg" of the New York, New Haven and Hartford Railroad Company, and the cost of the repairs was reported for collection from said company. The work consisted of repairs to the side cap, rangers, decking, deck sheathing and backing-log. Begun March 1 and finished March 21, 1899.

Secretary's Order No. 19055.—An 8-foot 6-inch sluiceway was cut in the northerly side of Pier, new 32, East river, about 30 feet from the outer end, for the accommodation of the North and East River Steamboat Company. Begun May 1 and finished May 2, 1899.

Bulkhead between Piers 42 and 43, E. R.

Secretary Order 18926.—A pile platform and ice bridge in front of the bulkhead between Piers, old 42 and 43, East River, were removed by the force of this Department in accordance with the above order, which directed removal of said structures by this Department unless the work was commenced by William J. Clark on or before March 27, 1899. Begun April 13 and finished April 17, 1899.

Pier 48, E. R.

Secretary's Order No. 19154.—The necessary repairs were made to the pier where damaged by transfer towboat No. 8 of the New York, New Haven & Hartford Railroad Company and the cost of said repairs was reported for collection from above company. Begun May 19 and finished May 20, 1899.

Pier foot of Eleventh Street, E. R.

Secretary's Order No. 18701.—Repairs were made to the southerly half of the pier and the cost of said work was reported for collection from the Estate of George Law, lessees. Begun December 15, 1898, and finished April 28, 1899.

Pier foot of Twenty-second Street, E. R.

Secretary's Order No. 19711.—Repairs were made to the side cap and row of piles on the northerly side of the pier, now being built at foot of Twenty-second street, which was damaged by the ferry-boat "Texas" of the Brooklyn and New York Ferry Company, and the cost of the work was reported for collection from said company. Begun December 21 and finished December 26, 1899.

Pier foot of Twenty-fourth Street, E. R.

Secretary's Order No. 19177.—The necessary repairs were made to fender chocks on the outer northerly side of the pier, where damaged by the lighter "Henry Du Bois," and the cost of said work was reported for collection from Wright & Cobb. Begun and finished June 30, 1899.

Secretary's Order No. 19178.—The necessary repairs were made to the fender piles at the northeast corner of the pier, where damaged by the ferry-boat "North Side" of the Brooklyn and New York Ferry Company, and the cost of repairs was reported for collection from said company. Begun and finished June 30, 1899.

Pier foot of Twenty-sixth Street, E. R.

Secretary's Order No. 18927.—4 new oak piles and 5 second-hand yellow pine piles were driven at the inner northerly side of the above pier, for the use of New York Yacht Club, and

Work Done for Owners, Lessees, etc.

the cost of work was reported for collection from said club. Two of the piles serve as fenders for a float stage, and a cluster of 7 were driven to protect an overhanging house used for a landing from the float stage ; also, boats were breasted off from an auxiliary float stage. Begun March 27 and finished April 30, 1899.

Pier foot of Twenty-eighth Street, E. R.

Secretary's Order No. 19299.—4 spring piles were driven on the southeast corner of the pier to accommodate the berthing of one of the boats of St. John's Guild. Begun and finished July 10, 1899, and the cost thereof was reported for collection from above organization.

Bulkhead between Sixty-first and Sixty-second Streets, E. R.

Secretary's Order No. 18778.—One new oak pile was driven and fastened. Damage done by dredge of Union Dredging Company. Begun and finished January 30, 1899.

Between Sixty-eighth and Sixty-ninth Streets, E. R.

Secretary's Order No. 19038.—A new crib structure was made and sunk in place and properly planked ; cost to be collected from Central Brewing Company. Begun April 25, and finished May 24, 1899.

Foot of One Hundredth Street, H. R.

Secretary's Order No. 17940.—The necessary removal of the northerly ferry structure near the foot of above street was made in accordance with the resolution of Board. The work consisted of the removal of a portion of the northerly ferry rack and the approach and pontoons. Begun October 20, 1898, and finished May 9, 1899, and the cost of the work was reported for collection from the New York and College Point Ferry Company.

Pier at East One Hundred and Twelfth Street, H. R.

Secretary's Order No. 18972.—The necessary repairs were made to the outer end of the recreation structure, where damaged by a truck belonging to the Mason's Supply Company. The work consisted of repairs to about 18 inches of the cast-iron trim on the centre outshore column ; also the straightening out of the crimped iron. Begun April 20 and finished April 21, 1899, and the cost of the repairs was reported for collection from said company.

Draughting Room.

SUMMARY OF WORK DONE IN THE DRAUGHTING-ROOM.

PLANS, SPECIFICATIONS, ESTIMATES AND STUDIES FOR CONTRACT WORK.

BOROUGH OF MANHATTAN.

Secretary's Order No. 18701.—To prepare plans and specifications for repairing the pier at the foot of East Eleventh street, East river. The work of repairing this pier was done by Department labor, and the order was rescinded.

Secretary's Order No. 18681.—To prepare plans and estimates for extending Pier, new 1, North river to the new pierhead-line. Plans and estimates were finished and forwarded with a report submitted March 6, 1899. (No action was taken.)

Engineer's Order.—To prepare plans and specifications for Pier, new 34, at the foot of Rutgers slip, East river. Plans and specifications were finished and forwarded with a report submitted March 24, 1899. (Contract No. 654.)

Secretary's Order No. 18854.—To prepare plans and specifications for a new pier to be constructed at the foot of West Thirty-ninth street, North river. These plans and specifications were completed and forwarded with a report submitted April 19, 1899. (Contract No. 660.)

Secretary's Order No. 19014.—To prepare plans and specifications for a crib-bulkhead to be built between East Eightieth and East Eighty-first streets, East river. These plans and

Draughting Room.

specifications were completed and forwarded with a report submitted May 26, 1899. (Contract No. 663.)

Secretary's Order No. 19367.—To prepare plans and specifications for Pier, new 33, North river, west of Rutgers slip. These plans and specifications were completed and forwarded with a report submitted July 31, 1899. (Contract No. 667.)

Secretary's Order No. 19677.—To prepare plans and specifications for Pier, new 32, North river, near the foot of Pike slip. These plans and specifications were completed and forwarded with report submitted December 21, 1899. (Contract No. 676.)

Secretary's Order No. 18839.—To prepare plans for freight shed on the pier at West Thirty-fourth street, North river. These plans and specifications are in progress, but have been suspended owing to pressure of other work.

BOROUGH OF THE BRONX.

Secretary's Order No. 19103.—To prepare plans and specifications for removing the present pier, for dredging and for building a new pier at the foot of Fordham road, Harlem river. These plans and specifications were completed and forwarded with a report submitted April 18, 1899, but action was deferred and a new report was submitted. (Contract No. 661.)

Engineer's Order.—To prepare plans and specifications for a platform to be built at the foot of Railroad avenue, Harlem river. These plans and specifications were completed and forwarded with a report submitted July 19, 1899. (Contract No. 670.)

BOROUGH OF BROOKLYN.

Secretary's Order No. 18642.—To prepare plans and specifications for two new piers to be built at the Wallabout Basin. Plans and specifications were finished and forwarded with a report on the order submitted January 19, 1899. (Contract No. 648.)

Secretary's Order No. 18819.—To prepare plans and specifications for completing and strengthening Recreation Building, at North Second street. This work was done partly by the Department of Docks and Ferries, and partly by Horgan & Slattery, the consulting architects; and the plans and specifications were forwarded with a report on the order submitted March 30, 1899. (Contract No. 631.)

Secretary's Order No. 19343.—To prepare plans and specifications for Piers Nos. 3 and 4, Wallabout Basin. These plans and specifications were completed and forwarded with report submitted October 13, 1899. (Contract No. 669.)

Secretary's Order No. 19343.—To prepare plans and specifications for paving at the Wallabout Basin. These plans and specifications were completed and forwarded with report submitted October 13, 1899. (Contract No. 671.)

PLANS, STUDIES, SPECIFICATIONS AND ESTIMATES FOR CONSTRUCTION OR REPAIRS BY
DEPARTMENT LABOR OR UNDER TREASURER'S ORDERS.

BOROUGH OF MANHATTAN.

Secretary's Order No. 18757.—To supervise the building of an additional room for the use of the Collector of the Department. This work was done by Department labor with materials purchased under Treasurer's Order and was reported March 17, 1899. (Treasurer's Order No. 19810.)

Engineer's Order.—To amend the plans for the Watts Street Section for the bulkhead-wall. These plans have been modified in accordance with the amendments suggested.

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Engineer's Order.—To make certain modifications in the plans for the Watts street type of bulkhead-wall. The plans have been so modified.

Engineer's Order.—To prepare plans for bulkhead-wall granite, to conform with the new standard as required by the Watts street type of wall. These plans have been completed.

Engineer's Order.—To prepare plans and specifications for paving with second-hand paving blocks between West Seventy-seventh and West Seventy-eighth streets, North river. These plans and specifications were completed and the work was done under Treasurer's Order.

Engineer's Order.—To prepare plans and specifications for paving with second-hand paving blocks between West Seventy-ninth and West Eightieth streets, North river. These plans were completed and the work was done under Treasurer's Order.

Engineer's Order.—To prepare plans for electric lighting Recreation Piers at West Fiftieth and West One Hundred and Twenty-ninth streets, North river. These plans were completed and forwarded June 19, 1899.

Secretary's Order No. 19067.—To prepare plans and specifications for paving with asphalt at Pier "A," North river. These plans and specifications were completed and forwarded with a report submitted May 11, 1899. (Work done under Treasurer's Order No. 20008.)

Secretary's Order No. 19145.—To prepare plans and specifications for paving with asphalt between West Twenty-third and West Twenty-fourth streets, North river, in front of the Pennsylvania Railroad Ferry. These plans and specifications were completed and forwarded with a report submitted May 22, 1899. (Work done under Treasurer's Order No. 20009.)

Resolution, June 2, 1899.—To prepare plans and specifications for laying asphalt pavement at Pier, new 1, North river. These plans and specifications were completed and forwarded with a report submitted June 6, 1899. (Work done under Treasurer's Order No. 20035.)

Resolution, June 2, 1899.—To prepare plans and specifications for laying asphalt pavement at Chambers Street Ferry. These plans and specifications were completed and forwarded with a report submitted June 9, 1899. (Work done under Treasurer's Order No. 20044.)

Resolution June 2, 1899.—To prepare plans and specifications for laying asphalt pavement at Barclay Street Ferry. These plans and specifications were completed and forwarded with a report submitted June 16, 1899. (Work done under Treasurer's Order No. 20055.)

Resolution, June 2, 1899.—To prepare plans and specifications for laying asphalt pavement at Christopher Street Ferry. These plans and specifications were completed and forwarded with a report submitted June 23, 1899. (Work done under Treasurer's Order No. 20060.)

Engineer's Order.—(Resolution, June 2, 1899).—To prepare plans for extending Pier, new 45, North river. These plans were completed and forwarded July 20, 1899. (Work done by Department labor.)

Engineer's Order.—(Resolution, July 17, 1899).—To prepare plans and specifications for paving with asphalt in the vicinity of Pier, new 14, North river. These plans and specifications were completed and forwarded with a report submitted July 12, 1899. (Work done under Treasurer's Order.)

Engineer's Order.—(Resolution, November 11, 1898).—To make certain additions to the plans for the 40-ton derrick. The plans have been so augmented.

Engineer's Order.—(Resolution, June 27, 1899).—To prepare plans for the West Forty-second Street Section of the bulkhead-wall. These plans were completed July 26, 1899.

Engineer's Order.—(Resolution, August 7, 1899).—To prepare plans and specifications for paving with asphalt in front of the Cunard Line, between Gansevoort and West Twelfth streets, North river. These plans and specifications were completed and forwarded with a report submitted August 15, 1899. (Work done under Treasurer's Order.)

Secretary's Order No. 19464.—(Resolution, September 11, 1899).—To prepare plans and specifications for paving with asphalt in the vicinity of Pier, new 13, North river. These plans

Draughting Room.

and specifications were completed and forwarded with a report submitted September 13, 1899. (Work done under Treasurer's Order.)

Engineer's Order.—To prepare plans and specifications for laying second-hand pavement between West Seventy-seventh and West Seventy-eighth streets, North river. These plans and specifications were forwarded July 7, 1899. (Work done under Treasurer's Order No. 20088.)

Engineer's Order.—(Resolution, August 21, 1899).—To prepare plans and specifications for laying second-hand pavement between West Seventy-ninth and West Eightieth streets, North river. These plans and specifications were forwarded August 24, 1899. (Work done under Treasurer's Order.)

Engineer's Order.—To prepare plans and specifications for laying second-hand pavement between West Seventy-eighth and West Seventy-ninth streets, North river. These plans and specifications were forwarded September 1, 1899. (Work done under Treasurer's Order.)

Engineer's Order.—To prepare plans and specifications for laying second-hand pavement between West Seventy-seventh and West Seventy-eighth streets, North river. These plans and specifications were forwarded September 12, 1899. (Work done under Treasurer's Order.)

Secretary's Order No. 19521.—To prepare plans and specifications for laying second-hand pavement between West Seventy-ninth and West Eightieth streets, North river. These plans and specifications were forwarded with a report submitted September 27, 1899. (Work done under Treasurer's Order.)

Secretary's Order No. 19521.—To prepare plans and specifications for laying second-hand pavement between West Seventy-eighth and West Seventy-ninth streets, North river. These plans and specifications were forwarded with a report submitted September 27, 1899. (Work done under Treasurer's Order.)

Engineer's Order No. 20308.—To prepare plans and specifications for paving with granite on a concrete foundation between West Twenty-seventh and West Thirtieth streets, North river. These plans and specifications were completed and forwarded with report submitted October 5, 1899. (Work done under Treasurer's Order.)

Engineer's Order.—To prepare plans and specifications for a store-room addition to Pier "A." These plans and specifications were completed and forwarded with report submitted December 27, 1899. (No action taken.)

Secretary's Order No. 19532.—To prepare plans and specifications for a new pier at the foot of West Seventeenth street, North river. These plans were completed and forwarded October 16, 1899. (Work done by Department labor.)

Secretary's Order No. 19542.—To prepare plans and specifications for laying asphalt pavement at Harrison Street Ferry. These plans and specifications were completed and forwarded with report submitted, October 17, 1899. (Work done under Treasurer's Order.)

Engineer's Order.—(Resolution, October 20, 1899).—To prepare plans and specifications for laying asphalt pavement between Piers, new 38 and new 41, North river. These plans and specifications were completed and forwarded, with report submitted, October 30, 1899. (Work done under Treasurer's Order.)

Engineer's Order.—(Resolution, October 27, 1899).—To prepare plans and specifications for laying asphalt pavement between Piers, new 42 and new 43, North river. These plans and specifications were completed and forwarded, with report submitted, November 16, 1899. (Work done under Treasurer's Order.)

Engineer's Order.—(Resolution, December 1, 1899).—To prepare plans and specifications for laying asphalt pavement in the vicinity of Pier, new 55, North river. These plans and specifications were completed and forwarded, with report submitted, December 7, 1899. (Work done under Treasurer's Order.)

Draughting Room.

Engineer's Order.—(Resolution, October 20, 1899).—To prepare plans for a new pier at East Thirty-sixth street, East river. These plans were completed and forwarded October 23, 1899. (Work done by Department labor.)

Engineer's Order.—To prepare plans and specifications for extending the pier at the foot of West One Hundred and Thirty-first street, North river. These plans and specifications are in progress.

Engineer's Order.—To prepare plans for a new pier at the foot of East Twenty-first street, East river. These plans and specifications are in progress.

Secretary's Order No. 19578.—To prepare plans, specifications and requisition for laying second-hand pavement between West Eightieth and West Eighty-first streets, North river. These plans and specifications were completed and forwarded, with requisition submitted, October 30, 1899. (Work to be done under Treasurer's Order.)

Secretary's Order No. 19574.—To prepare plans, specifications and requisition for laying second-hand pavement between West Eightieth and West Eighty-first streets, North river. These plans and specifications were completed and forwarded, with requisition submitted, October 30, 1899. (Work to be done under Treasurer's Order.)

Secretary's Order No. 19674.—To prepare plans and specifications and requisition for laying second-hand pavement between West Seventy-seventh and West Seventy-eighth streets, North river. These plans and specifications were completed and forwarded, with requisition submitted, November 29, 1899. (Work to be done under Treasurer's Order.)

Secretary's Order No. 19674.—To prepare plans and specifications and requisition for laying second-hand pavement between West Seventy-eighth and West Eightieth streets, North river. These plans and specifications were completed and forwarded, with requisition submitted, November 29, 1899. (Work to be done under Treasurer's Order.)

Secretary's Order No. 19674.—To prepare plans, specifications and requisition for laying second-hand pavement between West Seventy-seventh and West Seventy-eighth streets, North river. These plans and specifications were completed and forwarded, with requisition submitted, November 29, 1899. (Work to be done under Treasurer's Order.)

Secretary's Order No. 19579.—To prepare a plan for the proposed breakwater at Pier "A," to accompany an application to the Secretary of War. This plan was completed and forwarded, with report submitted, October 27, 1899. (Approved by Secretary of War, November 17, 1899.)

Secretary's Order No. 19669.—To prepare plans and specifications for a new pier at the foot of West Forty-third street, North river. These plans and specifications are in progress.

Engineer's Order.—To prepare plans for a storm overflow to the bulkhead-wall at East Twenty-first street, East river. These plans were completed and forwarded December 6, 1899, (Work to be done by Department labor.)

Engineer's Order.—To prepare plans for a new type of wall for the East Twenty-third Street Section. These plans were completed and forwarded October 10, 1899. (Work to be done by Department labor.)

BOROUGH OF BROOKLYN.

Engineer's Order.—To prepare plans for strengthening foundations for Recreation Building at North Second street. These plans were completed June 20, 1899. (Work to be done by Department labor.)

NEW PLANS FOR WATER-FRONT IMPROVEMENT OR FOR CHANGES IN LINES.

BOROUGH OF MANHATTAN.

Engineer's Order.—To prepare map for changes in line for Piers, new 16 and new 17, North river, to be submitted to the Commissioners of the Sinking Fund. These maps were completed and forwarded, with a report on the order submitted, January 14, 1899.

Draughting Room.

Engineer's Order.—To prepare maps showing proposed change in the bulkhead-line between East Twenty-second and East Twenty-fourth streets, East river, to submit to the Secretary of War. These maps were finished and forwarded, with a report on the order submitted, March 10, 1899.

Engineer's Order.—To prepare maps for the Commissioners of the Sinking Fund, showing the modification in the bulkhead-line between East Twenty-second and East Twenty-fourth streets, East river, for approval. These maps were forwarded with a report submitted April 25, 1899.

Engineer's Order No. 20626.—To prepare a new plan map for the approval of the Commissioners of the Sinking Fund, showing the new lines for the proposed breakwater at Pier "A." This map was prepared in duplicate and forwarded December 8, 1899.

Engineer's Order.—To prepare maps for a new plan between West One Hundred and Twenty-ninth and West One Hundred and Thirty-fourth streets, North river. These maps were prepared in duplicate and forwarded November 3, 1899.

(Adopted by the Board of Docks November 3, 1899, and approved by Commissioners of the Sinking Fund March 21, 1900.)

Secretary's Order No. 19572.—To prepare a map for amending the new plan between Whitehall and Wall streets, East river. This map was prepared in duplicate and forwarded November 3, 1899.

(Adopted by the Board of Docks November 3, 1899, and approved by the Commissioners of the Sinking Fund December 6, 1899.)

BOROUGH OF THE BRONX.

Secretary's Order No. 19041.—To prepare maps to submit to the Secretary of War, asking for a modification of the pierhead and bulkhead-line at Riker's Island. These maps were prepared and forwarded, with a report submitted April 27, 1899.

MISCELLANEOUS WORK UNDER SECRETARY'S OR OTHER ORDERS.

BOROUGH OF MANHATTAN.

Examination and report made on repairs required to fender system for steamboat "Patrol" at Pier "A." February 8, 1899.

A set of standard plans has been compiled for the ten-ton derrick, and for the adjustable pile driver.

The borings and test piles along the North, East and Harlem rivers water-fronts have been compiled and systematized.

The tools in use by the Department have been compiled, and a standard set of plans prepared for the same.

Plans have been prepared for the standard tide gauge in use by the Department.

Seven copies of the Water Front Register have been revised and corrected to date.

Engineer's Order.—To prepare six copies of each of eleven rule maps of property to be acquired between Catharine and Montgomery streets, East river, for carrying out proposed improvement. These maps were completed and forwarded November 24, 1899.

Engineer's Order.—To prepare six copies of each of four maps for condemnation proceedings in relation to property between East Eighteenth and East Twenty-third streets, East river, for carrying out the proposed improvement. These maps were completed and forwarded December 7, 1899.

Engineer's Order.—To prepare six copies of maps for condemnation proceedings in relation to Pier, old 4, East river. These maps are in progress.

Engineer's Order.—To prepare six copies of maps for condemnation proceedings in relation to Pier, new 7, East river. These maps are in progress.

Draughting Room.

Engineer's Order.—To prepare six copies of maps for condemnation proceedings in relation to Pier, old 12, East river. These maps are in progress.

Secretary's Order No. 19576.—To examine and report on the cost for laying proposed asphalt pavement at Pier, new 42, North river. Report submitted October 28, 1899.

BOROUGH OF THE BRONX.

Engineer's Order.—To prepare seven copies of maps showing judgment in the matter of The City of New York against the East Bay Land and Improvement Company. Maps and other information have been compiled for use in the suit of the City against the East Bay Land and Improvement Company.

BOROUGH OF BROOKLYN.

Two sectional marginal maps on the scale of 300 feet to the inch, extending from Hamilton avenue to Bay Ridge, in the Borough of Brooklyn, have been completed. This, with the exception of the Gowanus canal sheet and the Newtown creek sheet, completes the chain of marginal maps extending from Pott Cove on the north to Fort Hamilton on the south. The Gowanus canal and Newtown creek sheets are in progress.

PLANS SUBMITTED BY PRIVATE PARTIES EXAMINED AND REPORTED.

BOROUGH OF MANHATTAN.

Engineer's Order.—To examine and report on plans for a bulkhead and pier shed to be built at Pier, new 18, North river, by the New York, New Haven and Hartford Railroad Company. Plans approved as amended and report submitted January 20, 1899.

Secretary's Order No. 14740.—To examine and report on plans for a shed extension on Pier, old 41, North river, to be built by the New Jersey Steamboat Company. Plans approved as amended and report submitted January 23, 1899.

Engineer's Order.—To report on plans for granite on the bulkhead wall at Pier, old 41, North river, under construction by the New Jersey Steamboat Company. Plans approved without amendment and report submitted February 15, 1899.

Secretary's Order No. 18862.—To examine and report on plans for a bulkhead storehouse at Pier, new 38, North river, proposed by the Southern Pacific Steamship Company. Plans condemned and report submitted February 16, 1899.

Engineer's Order.—To examine and report on final plans for strengthening the pier shed on Gansevoort street pier, North river, being built by the Cunard Steamship Company. Plans approved as amended and report submitted February 11, 1899.

Engineer's Order.—To examine and report on general plan for an inclosed dumping pier proposed by the Department of Street Cleaning. Plans approved as amended, and report submitted March 1, 1899.

Engineer's Order.—To examine and report on plans for an additional story on the inner end of the shed on Pier, old 45, East river, for the New York, New Haven and Hartford Railroad Company. Plans approved as amended and report submitted March 8, 1899.

Engineer's Order.—To examine and report on plans for a storm overflow for the sewer at Pier, new 56, North river, submitted by the Department of Sewers. Plans approved as amended and report submitted March 21, 1899.

Engineer's Order.—To examine and report on the alleged instability of the outer end of Pier, old 27, North river, as extended by the New York Central and Hudson River Railroad Company. Report submitted March 28, 1899.

Engineer's Order.—To examine and report on plans for strengthening the support for the water tank on Pier, old 27, North river. Plans approved without amendment and report submitted April 14, 1899.

Draughting Room.

Engineer's Order.—To examine and report on plans for a dumping-board to be built on the pier at the foot of West Fifty-fifth street, North river, by the Department of Street Cleaning. Plans approved with amendments and report submitted April 18, 1899.

Engineer's Order.—To examine and report on plans for a dumping-board to be built at East Seventeenth street, East river, by the Department of Street Cleaning. Plans approved without amendment and report submitted April 21, 1899.

Engineer's Order.—To examine and report on plans for a bulkhead shed at Pier, old 41, to be built for the People's Evening Line. Plans approved without amendment and report submitted May 18, 1899.

Engineer's Order.—To examine and report on plans for a coal hoist between West Forty-sixth and West Forty-seventh street, North river, for Robert Gordon & Son. Plans approved with amendments and report submitted May 15, 1899.

Engineer's Order.—To examine and report on plans for a shed on Pier, old 13, East river, for William Cruikshank Sons. Plans approved with amendments and report submitted June 2, 1899.

Engineer's Order.—To examine and report on plans for repairing and extending Pier, old 13, East river, for William Cruikshank Sons. Plans approved with amendments and reports submitted June 3, 1899.

Engineer's Order.—To examine and report on plans for a dumping-board at West One Hundred and Thirty-third street, North river, for M. B. Martin. Plans approved with amendments and report submitted July 11, 1899.

Engineer's Order.—To examine and report on plans for foundations for ferry buildings at Desbrosses Street Ferry, North river. Plans approved without amendment and report submitted July 24, 1899.

Engineer's Order.—To examine and report on plans for a small pier between East Eighty-second and East Eighty-third streets, East river, for G. Knoche. Plans approved with amendments and submitted July 19, 1899.

Engineer's Order.—To examine and report on plans for bulkhead and pier sheds on Piers, new 16 and new 17, North river, for the New York Central and Hudson River Railroad Company. Plans approved with amendments and report submitted October 17, 1899.

Engineer's Order.—To examine and report on plans for pier and bulkhead shed at Pier, new 31, North river, for New York Central and Hudson river Railroad Company. Plans approved with amendments and report submitted October 7, 1899.

Engineer's Order.—To examine and report on plans for bulkhead shed between Piers, new 44 and new 45, North river, for the Clyde Steamship Company. Plans approved with amendments and report submitted July 31, 1899.

Engineer's Order.—To examine and report on plans for a small freight shed on the pier at Broome street, East river. Plans condemned and report submitted July 28, 1899.

Engineer's Order.—To examine and report on plans for new ferry buildings at Desbrosses Street Ferry for the Pennsylvania Railroad Company. Plans approved without amendment and report submitted August 25, 1899.

Engineer's Order.—To examine and report on plans for the King Street Power Station for the Third Avenue Railroad Company. Plans rejected and report submitted September 13, 1899.

Engineer's Order.—To examine and report on plans for a dumping-board on the pier at West Thirtieth street, North river, for the Department of Street Cleaning. Plans approved with amendments and report submitted September 15, 1899.

Engineer's Order.—To examine and report on plans for a transfer bridge between West Sixty-eighth and West Sixty-ninth streets, North river, for the New York Central and Hudson River Railroad Company. Plans approved without amendment and report submitted October 17, 1899.

Draughting Room.

Engineer's Order.—To examine and report on substitute plans for a bulkhead shed at Pier, old 41, North river, for the People's Line. Plans approved without amendment and report submitted October 4, 1899.

Engineer's Order.—To examine and report on plans for a dumping-board on the pier at West One Hundred and Thirty-fourth street, North river, for Department of Street Cleaning. Plans approved with amendments and report submitted October 10, 1899.

Engineer's Order.—To examine and report on plans for a transfer bridge at West Thirty-sixth street, North river, to replace the present plans. Plans approved without amendment and report submitted October 17, 1899.

Engineer's Order.—To examine and report on plans for a dumping board at East Eightieth street, East river, for the Department of Street Cleaning. Plans approved without amendment and report submitted October 19, 1899.

Engineer's Order.—To examine and report on plans for a coal pocket at East Ninety-fourth street, East river, for Hencken & Co. Plans approved with amendments and report submitted October 25, 1899.

Engineer's Order.—To examine and report on plans for a boat house for the Waverley Boat Club at One Hundred and Fifty-sixth street, North river. Plans rejected and report submitted October 19, 1899.

Engineer's Order.—To examine and report on plans for a dumping-board at West Nineteenth street, North river, for the Department of Street Cleaning. Plans approved without amendment and report submitted October 19, 1899.

Engineer's Order.—To examine and report on plans for alterations in the freight shed on Pier, new 57, North river, for the Panama Railroad Company. Plans approved with amendments and report submitted December 22, 1899.

Engineer's Order.—To examine and report on plans for a dumping-board at Clinton street, East river, for the Department of Street Cleaning. Plans approved without amendment and report submitted December 16, 1899.

BOROUGH OF THE BRONX.

Engineer's Order.—To examine and report on the location for a 36-inch flexible water-main for the Department of Water Supply at the foot of Fordham road, Harlem river. Plans approved with amendments and report submitted May 8, 1899.

Engineer's Order.—To examine and report on plans for a steel transfer bridge for the New York, New Haven & Hartford Railroad Company at Oak Point, East river. Plans approved without amendments and report submitted May 22, 1899.

Engineer's Order.—To examine and report on plans for repairs and additions to a platform on Westchester creek, for John R. Bush. Plans approved with amendments and report submitted May 22, 1899.

Engineer's Order.—To examine and report on plans for the reconstruction of the bulkhead at the Port Morris freight yard for the New York Central & Hudson River Railroad Company. Plans approved with amendments and report submitted July 8, 1899.

Engineer's Order.—To examine and report on the bulkhead-line map for a crib-bulkhead at Kingsbridge for T. & W. Thorne & Co. Map approved without amendment and report submitted July 12, 1899.

Engineer's Order.—To examine and report on plans for a coal-hoisting tower and pocket at One Hundred and Thirty-seventh street and Mott Haven canal for Henry Meyer. Plant approved with amendments and report submitted August 30, 1899.

Engineer's Order.—To examine and report on plans for an addition to shop No. 4 at Morris Heights for the Gas Engine and Power Company. Plans approved with amendments and report submitted September 15, 1899.

Draughting Room.

Engineer's Order.—To examine and report on plans for a boat-house at the foot of Cross street, City Island, for W. Burke. Jurisdiction waived and plans returned with report submitted October 18, 1899.

Engineer's Order.—To examine and report on plans for a temporary pier for Clinton Stevens at Classon's Point, East river. Plans approved with amendments and report submitted November 9, 1899.

BOROUGH OF BROOKLYN.

Engineer's Order.—To examine and report on plans for extending the pier at North Fifth street, East river, by the Pennsylvania Railroad Company. Plans approved as amended and report submitted March 23, 1899.

Engineer's Order.—To examine and report on plans for a bulkhead or sand fence to be erected at Coney Island, between Thirty-fifth and Thirty-seventh streets. Plans approved without amendment and report submitted March 29, 1899.

Engineer's Order.—To examine and report on plans for extension to pile platform at Bath Beach, between Bay Seventeenth and Bay Eighteenth streets, for the Astor Pavilion. Plans approved with amendments and report submitted April 6, 1899.

Engineer's Order.—To examine and report on plans for a pier near the foot of Van Dyke street to be built by the Brooklyn Wharf and Warehouse Company. Plans approved with amendments and report submitted June 2, 1899.

Engineer's Order.—To examine and report on plans for a shed to be erected on the above-mentioned pier by the Brooklyn Wharf and Warehouse Company. Plans approved with amendments and report submitted June 2, 1899.

Engineer's Order.—To examine and report on plans for extending the Astor Pavilion at Bath Beach. Plans approved with amendments and report submitted April 6, 1899.

Engineer's Order.—To examine and report on plans for a crib-bulkhead between Wallock street and Greenpoint avenue, on Newtown creek, for James D. Leary. Plans approved without amendments and report submitted April 6, 1899.

Engineer's Order.—To examine and report on plans for a platform between Adams and Jay streets, East river, for Arbuckle Brothers. Plans approved with amendments and report submitted April 6, 1899.

Engineer's Order.—To examine and report on plans for a shed to be erected between Forty-second and Forty-third streets, East river, by the Bush Company (Limited). Plans approved with amendments and report submitted May 4, 1899.

Engineer's Order.—To examine and report on plans for a transfer bridge between Twenty-fifth and Twenty-sixth streets for the Brooklyn Dock and Terminal Company. Plans approved without amendments and report submitted May 5, 1899.

Engineer's Order.—To examine and report on plans for extending the pier and shed between Forty-first and Forty-second streets, East river, for the Bush Company (Limited). Plans approved with amendments and report submitted May 13, 1899.

Engineer's Order.—To examine and report on plans for a platform for bathing pavilion at Bay Twenty-second street, Bath Beach, for George Shields. Plans approved with amendments and report submitted May 19, 1899.

Engineer's Order.—To examine and report on plans for a bulkhead shed at North Fifth street, East river for the Pennsylvania Railroad Company. Plans approved with amendments and report submitted May 23, 1899.

Engineer's Order.—To examine and report on plans for a breakwater at footwalks at Gravesend Bay for the Atlantic Yacht Club. Plans approved without amendment and report submitted May 23, 1899.

Engineer's Order.—To examine and report on plans for widening the Pier at North Eighth street, East river, for L. M. Palmer. Plans approved with amendments and report submitted June 2, 1899.

Draughting Room.

Engineer's Order.—To examine and report on plans for a coal pocket between Thirty-ninth and Fortieth streets for Z. O. Nelson & Son. Plans approved with amendments and report submitted June 13, 1899.

Engineer's Order.—To examine and report on plans for coal pocket for J. F. Schmadeke, at Union street, on Gowanus canal. The examination of these plans is in progress.

Engineer's Order.—To examine and report on plans for a footwalk between Bay Twenty-second and Bay Twenty-third streets, Bath Beach, for George Shields. Plans approved with amendments and report submitted June 15, 1899.

Engineer's Order.—To examine and report on plans for a coal pocket at Union street, Gowanus canal, for J. F. Schmadeke. Plans approved with amendments and report submitted July 14, 1899.

Engineer's Order.—To examine and report on plans for a coal trestle and coal storage between Twenty-fifth and Twenty-sixth streets, Brooklyn, for the Brooklyn Dock and Terminal Company. Plans approved with amendment and report submitted July 18, 1899.

Engineer's Order.—To examine and report on plans for a freight depot between Twenty-fifth and Twenty-sixth streets for the Brooklyn Dock and Terminal Company. Plans approved with amendments and report submitted July 25, 1899.

Engineer's Order.—To examine and report on plans for a coal hoisting tower and pocket at Ash and Oakland streets, Newtown creek, for A. J. McCollum. Plans approved with amendments and report submitted August 12, 1899.

Engineer's Order.—To examine and report on plans for a transfer bridge at Forty-second street for the Bush Company (Limited). Plans approved without amendment and report submitted August 17, 1899.

Engineer's Order.—To examine and report on plans for a railroad trestle between Twenty-fifth and Twenty-sixth streets for the Brooklyn Dock and Terminal Company. Plans approved without amendment and report submitted August 17, 1899.

Engineer's Order.—To examine and report on plans for a coal pocket at Twelfth street, Gowanus canal, for the Brooklyn Union Gas Company. Plans approved with amendments and report submitted August 30, 1899.

Engineer's Order.—To examine and report on plans for bulkhead and pier shed at Pier 2, Wallabout Basin, for the Pennsylvania Railroad Company. Plans approved with amendments and report submitted September 19, 1899.

Engineer's Order.—To examine and report on plans for a manure dump between Twenty-fifth and Twenty-sixth streets for the Brooklyn Dock and Terminal Company. Plans approved with amendments and report submitted September 12, 1899.

Engineer's Order.—To examine and report on plans for a pier and freight shed at Pier 35, Atlantic Basin, for Brooklyn Wharf and Warehouse Company. Examination of plans suspended.

Engineer's Order.—To examine and report on plans for a sand fence or bulkhead at Sea Gate for the Sea Gate property line. Examination of plans suspended.

Engineer's Order. To examine and report on plans for a 10-ton crane between Twenty-fifth and Twenty-sixth streets for the Brooklyn Dock and Terminal Company. Examination of plans suspended.

Engineer's Order.—To examine and report on plans for a spar shed for W. H. Abbott at Manning's Yacht Basin, Erie Basin. Plans approved with amendments and report submitted October 2, 1899.

Engineer's Order.—To examine and report on plans for a coal pocket between Milton and Noble streets, East river, for the American Manufacturing Company. Plans approved with amendments, but were withdrawn October 13, 1899.

Engineer's Order.—To examine and report on amended plans for a manure dump between Twenty-fifth and Twenty-sixth streets for the Brooklyn Dock and Terminal Company. Plans approved without amendment and report submitted November 9, 1899.

Draughting Room.

Engineer's Order.—To examine and report on plans for a sheet-pile bulkhead on the north-erly side of Pier 2, at Forty-second street, for the Bush Company (Limited). Plans approved without amendment and report submitted November 9, 1899.

Engineer's Order.—To examine and report on plans for foundations for a coal tower near the foot of Division avenue, East river, for the Brooklyn Heights Railroad Company. Plans approved with amendments and report submitted November 10, 1899.

Engineer's Order.—To examine and report on plans for a shed extension on Pier 6, between Middagh and Cranberry streets, East river, for the Brooklyn Wharf and Warehouse Company. Plans approved with amendments and report submitted November 23, 1899.

Engineer's Order.—To examine and report on plans for a coal tower between Sackett and Degraw streets, Gowanus canal, for Z. O. Nelson & Son. Plans approved with amendments and report submitted November 25, 1899.

Engineer's Order.—To examine and report on plans for a jetty between West Tenth and West Twelfth streets, Coney Island, for Charles Feltman. Plans approved with amendments and report submitted November 24, 1899.

Engineer's Order.—To examine and report on plans for a blacksmith's shop at Erie Basin for Townsend & Osberg. Plans approved with amendments and report submitted November 29, 1899.

Engineer's Order.—To examine and report on plans for a crib-bulkhead at Conover street for Henry P. Kirkham & Son. Plans approved with amendments and report submitted December 1, 1899.

Engineer's Order.—To examine and report on plans for repairs to pier shed at the foot of North Seventh street, East river, for the Brooklyn Cooperage Company. Plans approved with amendments and report submitted December 13, 1899.

Engineer's Order.—To examine and report on plans for a freight shed on Pier 48, Erie Basin, for the estate of William Beard. Plans approved with amendments and report submitted December 6, 1899.

Engineer's Order.—To examine and report on plans for a freight terminal at Clymer street or the Delaware, Lackawanna and Western Railroad Company. Plans approved with amendments and report submitted December 13, 1899.

Engineer's Order.—To examine and report on plans for a second story in the bulkhead shed at Wallabout Basin for the Pennsylvania Railroad Company. Plans approved without amendments and report submitted December 29, 1899.

BOROUGH OF QUEENS.

Engineer's Order.—To examine and report on plans for a pier between Seventh and Eighth streets, East river, for the New York Mastic Works. Plans approved as amended and report submitted February 10, 1899.

Engineer's Order.—To examine and report on plans for a platform at Steinway Point to be built for the Astoria Veneer Mill's. Plans approved with amendments and report submitted May 4, 1899.

Engineer's Order.—To examine and report on plans for foundation for a pumping-house at North Beach for the Bowery Bay and Improvement Company. Plans approved with amendments and report submitted May 8, 1899.

Engineer's Order.—To examine and report on plans for bathing pavilion and approach at Far Rockaway for H. H. Schuman. Plans approved with amendments and report submitted May 29, 1899.

Engineer's Order.—To examine and report on plans for repairs to docks at North Beach for the Bowery Bay Building and Improvement Company. Plans approved without amendments and report submitted May 26, 1899.

Draughting Room.

Engineer's Order.—To examine and report on plans for a platform at Flushing creek for B. S. Jones & Co. Plans approved without amendment and report submitted June 5, 1899.

Engineer's Order.—To examine and report on plans for a crib-bulkhead between Perot and Halsey streets, Astoria, for Waterbury & Ellis. Plans approved with amendments and report submitted June 21, 1899.

Engineer's Order. To examine and report on plans for repairing a dock at Seaside, Rockaway Beach, for the Knickerbocker Steamboat Company. Plans insufficient, and no further action taken pending the submitting of adequate plans.

Engineer's Order.—To examine and report on plans for extending the Pier south of Seventh street, Long Island City, by the Warren Chemical and Manufacturing Company. Plans approved with amendments and report submitted June 29, 1899.

Engineer's Order.—To examine and report on plans for five 2-story structures at Howard's Pier, Jamaica Bay, for Elisha Smith. Plans approved with amendments and report submitted July 5, 1899.

Engineer's Order.—To examine and report on plans for a pavilion structure at Brooklyn City Brewery Park, Flushing Bay, for Michael Seiz. Plans approved with amendments and report submitted July 14, 1899.

BOROUGH OF RICHMOND.

Engineer's Order.—To examine and report on plans for a crib-bulkhead to be built at Midletown, Staten Island, for Ichabod T. Williams & Sons. Plans approved as amended and report submitted March 20, 1899.

Engineer's Order.—To examine and report on plans for a pier to be built at Midland Beach by the Midland Railroad Terminal Company. Plans approved as amended and report submitted March 14, 1899.

Engineer's Order.—To examine and report on the plans for a passenger footwalk at Red lane, on the Lower Bay, for the Barnes' Estate. Plans approved conditionally and report submitted April 14, 1899.

Engineer's Order.—To examine and report on plans for a pier extension at Prospect street, Stapleton, for James D. Leary. Plans approved with amendments and report submitted May 5, 1899.

Engineer's Order.—To examine and report on plans for pier and dock extension at Richmond Beach, Huguenot, for Richmond Beach Company. Plans approved with amendments and report submitted May 1, 1899.

Engineer's Order.—To examine and report on plan for dock extension for pipe line at Clifton for the Richmond County Gas Company. Plans approved with amendments and report submitted May 12, 1899.

Engineer's Order.—To examine and report on plans for temporary staging for removing a building at Port Richmond for the Burlee Dry Dock Company. Plans approved without amendments and report submitted June 19, 1899.

Engineer's Order.—To examine and report on plans for a crib platform and shed at Port Richmond for the National Lead Company. Plans approved with amendments and report submitted June 27, 1899.

Engineer's Order.—To examine and report on plans for a pier and two-story building at Great Kills, Staten Island, for Daniel Burbank. Plans condemned and report submitted August 10, 1899.

Engineer's Order.—To examine and report on plans for a pier at Tottenville, Staten Island, for Hubbard R. Yetman. Plans approved with amendments and report submitted August 10, 1899.

Engineer's Order.—To examine and report on plans for additions to dock at New Dorp for George W. Vanderbilt. Plans approved with amendments and report submitted August 30, 1899.

Draughting Room.

Engineer's Order.—To examine and report on plans for extending pier at Port Richmond for the Burlee Dry Dock Company. Plans approved with amendments and reports submitted October 10, 1900.

Engineer's Order.—To examine and report on plans for a bulkhead and breakwater at New Dorp Beach for the New Dorp Beach Hotel. Examination of plans suspended pending the submission of additional plans.

Engineer's Order.—To examine and report on plans for crib-bulkhead at Port Richmond, Staten Island, for the Dean Linseed Oil Company. Plans disapproved and report submitted November 9, 1900.

Engineer's Order.—To examine and report on plans for repairs to the North Pier at Stapleton, Staten Island, for the Merritt & Chapman Wrecking Company. Plans approved with amendments and report submitted November 29, 1899.

Engineer's Order.—To examine and report on plans for a sheet-pile bulkhead at Port Richmond, Staten Island, for S. C. White's Sons. Plans approved with amendments and report submitted December 9, 1899.

Engineer's Order.—To examine and report on plans for a pier and crib-bulkhead at Shooter's Island for Townsend & Downing. Plans approved with amendments and report submitted December 15, 1899.

MISCELLANEOUS MAPS, PLANS, SUN PRINTS, ETC.

BOROUGH OF MANHATTAN.

New standard maps.....	4
General maps.....	446
Plans	88
Sun prints.....	2,396

BOROUGH OF THE BRONX.

Standard maps.....	0
General maps.....	23
Plans	3
Sun prints.....	67

BOROUGH OF BROOKLYN.

Standard maps.....	22
Marginal maps.....	2
General maps.....	0
Sun prints.....	226

BOROUGH OF QUEENS.

Standard maps.....	5
General maps.....	2
Plans	0
Sun prints.....	20

Draughting Room.

BOROUGH OF RICHMOND.

Standard maps.....	0
General maps.....	2
Plans.....	0
Sun prints.....	15

Of the above, 153 maps and 362 sun prints were made for other Departments or for outside parties; the balance were used in the course of the regular department work.

ROUTINE WORK.

Plotting soundings on standard sounding sheets.
 Plotting surveys on standard maps.
 Making new standard maps.
 Making new marginal maps.
 Maintaining progress maps and reports of bulkhead-wall construction.
 Miscellaneous studies and estimates.
 Records, filing, etc.

Contracts.

Contracts under which Work has been Done.

No.	CONTRACT.	WORK BEGUN.	WORK FINISHED.	CONTRACT PRICE.	AMOUNT PAID.
556. Under New Plan.	For furnishing granite stones for bulkhead or river wall. Dated December 19, 1896.....	Apr. 19, 1897	Jan. 13, 1899	{ Class I., H. and S., 95c. } { Class II., coping, \$1.15 }	\$23,072 94
559. General Repairs.	For dredging on the East and Harlem rivers. Dated January 29, 1897.....	Mar. 11, 1897	Mar. 21, 1897	1710c. cubic yard.....	17,375 00
570. General Repairs.	For dredging on the Harlem river, between One Hundred and Twenty-fifth and One Hundred and Forty-first streets. Dated March 23, 1897.....	Apr. 29, 1897	May 23, 1897	1910c. cubic yard.....	1,763 91
571. Under New Plan	For dredging between West Twelfth and Gansevoort streets, North river. Dated March 12, 1897.....	Apr. 5, 1897	Dec. 11, 1897	\$75,000 00	79,000 00
621. Construction } under chapter } 208, Laws of 1892 }	For preparing for and building a Recreation Structure on the Pier at the foot of West Fifth street, North river. Dated March 11, 1897.....	Aug. 22, 1893	Apr. 29, 1899	1 1,751 00	11,253 00
625. Construction } under chapter } 208, Laws of 1892 }	For preparing for and building a passenger and freight shed on the Pier at the foot of West One Hundred and Twenty-ninth street, North river. Dated February 16, 1898.....	Dec. 6, 1898	May 24, 1899	60,322 00	60,322 00
629. General Repairs } and New Plan. }	For dredging on the North river, between the Battery and West Thirty-fourth street, North river. Dated May 18, 1898.....	July 6, 1898	Apr. 14, 1899	19 "	34,400 00
631. Construction } under chapter } 208, Laws of 1892 }	For preparing for and completing the Recreation Building at the foot of North Second street, East river, Brooklyn. Dated June 12, 1899	June 26, 1899	In progress.....	29,926 00	.....
632. Under New Plan.	For dredging at the Barclay Street Sect on extended, and at the Park Place Sect on, North river. Dated June 2, 1898.....	Oct. 6, 1898	July 14, 1899	{ Class I., mud, 15c..... } { Class II., cubic yd., 40c..... }	5,865 76
635. Under New Plan.	For furnishing granite stones for bulkhead or river wall. Dated August 10, 1893.....	Sept. 17, 1898	Feb. 28, 1899	40 94 76	8,151 53
636. Under New Plan.	For furnishing sawed yellow pine timber. Dated August 8, 1898.....	Sept. 29, 1898	Jan. 6, 1899	15 59	28,925 05
638. General Repairs } and under New } Plan..... }	For dredging north of West Thirty-fourth street on the North river. Dated October 12, 1898.....	Nov. 3, 1898	Aug. 5, 1899	11 3/4	23,472 51
639. Under New Plan.	For preparing for and building a new Pier at the foot of Watts street, North river. Dated September 9, 1898.....	Oct. 7, 1898	May 29, 1899	{ Class I., Pier, \$38.80c. } { Class II., piers, \$2.650. } { Class III., rip-rap, 38c. }	45,888 04
640. Under New Plan.	For furnishing granite stones for bulkhead or river wall. Dated December 12, 1898.....	Feb. 23, 1899	July 27, 1899	{ Class I., H. and S., 89c. } { Class II., coping, \$1.19 }	3,735 72
641. Under New Plan.	For furnishing yellow pine timber. Dated December 12, 1898.....	Jan. 26, 1899	Apr. 18, 1899	{ Class I., \$15 93 } { Class II., \$18..... }	26,290 82
642. Under New Plan	For furnishing and delivering 4,000 piles. Dated December 20, 1898.....	Jan. 4, 1899	July 15, 1899	{ Class II., \$15..... } { Class III., \$12.50..... }	6,568 00

Contracts.

No.	CONTRACT.	WORK BEGUN.	WORK FINISHED.	CONTRACT PR. CE.	AMOUNT PAID.
643.	General Repairs		In progress....	{ Class I., 84 cents..... } { Class II., 94 cents..... }	.....
644.	Under New Plan.	Dec. 22, 1899	Feb. 24, 1899	\$4,690 00	\$4,690 00
645.	Under New Plan.	Jan. 25, 1899	July 19, 1899	25,989 00	25,989 00
646.	Under New Plan.	Mar. 2, 1899	Mar. 14, 1899	3 88	2,679 84
	Wallabout Improvement	Jan. 7, 1899			
	Under New Plan	Jan. 8, 1898	Feb. 1, 1899	Schedule of prices.....	83,028 21
647.	Under New Plan	Mar. 10, 1899	Aug. 3, 1899	\$0 12½	12,310 39
648.	Not under New Plan	May 16, 1899	In progress....	91,633 00	91,633 00
649.	Under New Plan and General Repairs	Apr. 1, 1899	Oct. 21, 1899	18	35,972 46
650.	General Repairs	Apr. 12, 1899	Apr. 29, 1899	18	6,280 84
651.	Under New Plan.	Apr. 10, 1899	In progress....	59,500 00	.....
652.	Under New Plan.	Aug. 26, 1899	In progress....	18	.....
653.	Under New Plan.	Apr. 11, 1899	May 26, 1899	3 54	2,479 84
654.	Under New Plan.	July 6, 1899	Nov. 29, 1899	34,833 00	34,833 00
655.	Under New Plan.	June 17, 1899	In progress....	1 945	19,450 00
656.	Under New Plan.	Aug. 22, 1899	Nov. 24, 1899	02½	9,387 76
657.	General Repairs	Aug. 9, 1899	Sept. 16, 1899	20	6,583 20
658.	Under New Plan.	June 1, 1899	Oct. 10, 1899	19 95	22,255 76
659.	Under New Plan.	Aug. 21, 1899	Sept. 27, 1899	0885	6,659 36
660.	Under New Plan.	Aug. 21, 1899	In progress....	51,055 00	.....

651. Not under New Plan.....	For preparing for and building a Pier at the foot of Fordham road, Harlem river, and for removing the present pier and dredging thereat. Dated August 24, 1899.....	Nov. 11, 1899	In progress.....	{ Class I., removing pier, \$250..... Class II., dredging, 22c. Class III, pier and sewers, \$12,430.....	.....
652. Under New Plan and General Repair.....	For dredging north of West Thirty-fourth street, North river. Dated August 24, 1899.....	Sept. 16, 1899	In progress.....	\$0 11 1/2	.....
663. Not under New Plan.....	For preparing for and building a new crib-bulkhead with appurtenances, between East Eighth and East Eighth-first streets, East river, and for dredging thereat. Dated September 2, 1899.....	Sept. 26, 1899	In progress.....	{ Class I., crib-bulkhead, \$7,800..... Class II., mud dredging, 20c. Class III., \$1.00.....	.....
664. Under New Plan.....	For furnishing and delivering about 2,500 tons of anthracite coal. Dated September 20, 1899.....	Oct. 6, 1899	In progress.....	\$3 58	.....
665. Under New Plan and General Repair.....	For dredging on the East and Harlem rivers. Dated August 2, 1899.....	Aug. 18, 1899	In progress.....	20	.....
666. Under New Plan.....	For dredging on the North river, between the Battery and West Thirty-fourth street. Dated September 20, 1899.....	.....	.....	0795	.....
667. Under New Plan.....	For preparing for and building a new wooden pier with appurtenances, west of Rutgers ship, East river. Dated October 23, 1899.....	Nov. 14, 1899	In progress.....	34,423 co	.....
668. Under New Plan.....	For furnishing sawed yellow pine timber. Dated October 30, 1899.....	Nov. 21, 1899	In progress.....	22 95	.....

Forms of Contracts.

**FORMS OF CONTRACTS AND SPECIFICATIONS PREPARED
AND SUBMITTED TO THE BOARD.**

Secretary's Order No. 18642.—For preparing for and building two new wooden piers, with appurtenances, repairing and extending platform, repairing bulkhead and removing two piers at the Wallabout basin, in the Borough of Brooklyn. Submitted January 19, 1899, and advertised as Contract No. 648.

Engineer's Order.—For dredging on the North river, between the Battery and West Thirty-fourth street, Borough of Manhattan. Submitted January 25, 1899, and advertised as Contract No. 649.

Engineer's Order.—For dredging near the foot of Rutgers Slip, on the East river. Submitted February 9, 1899, and advertised as Contract No. 650.

Secretary's Order No. 18861.—For building a new steel propeller, with all appurtenances. Submitted February 23, 1899, and advertised as Contract No. 650.

Engineer's Order.—For dredging at the Rutgers Section on the East river. Submitted March 3, 1899, and advertised as Contract No. 652.

Engineer's Order.—For furnishing and delivering about 700 tons anthracite coal. Submitted March 7, 1899, and advertised as Contract No. 653.

Engineer's Order.—For furnishing sawed yellow pine timber. Submitted March 15, 1899, and advertised as Contract No. 658.

Engineer's Order.—For furnishing granite stones for bulkhead or river wall. Submitted March 15, 1899, and advertised as Contract No. 643.

Engineer's Order.—For furnishing wrought-iron screw bolts, dock spikes, and washers, and cast iron cleats. Submitted March 18, 1899, and advertised as Contract No. 656.

Engineer's Order.—For furnishing about 10,000 barrels of Portland cement. Submitted March 22, 1899, and advertised as Contract No. 655.

Engineer's Order.—For preparing for and building a new wooden pier, with appurtenances, at the foot of Rutgers slip, East river (Pier, new 34). Submitted March 24, 1899, and advertised as Contract No. 654.

Secretary's Order No. 18950.—For dredging in the Wallabout canal, Borough of Brooklyn. Submitted April 3, 1899, and advertised as Contract No. 657.

Secretary's Order No. 18894.—For building a new pier at East Twenty-second street, East river. Submitted April 13, 1899, but never advertised.

Engineer's Order.—For furnishing and delivering Manila rope. Submitted April 14, 1899, and advertised as Contract No. 659.

Secretary's Order No. 18854.—For preparing for and building a new pier at the foot of West Thirty-ninth street, North river, in the Borough of Manhattan. Submitted April 20, 1899, and advertised as Contract No. 660.

Secretary's Order No. 19013.—For preparing for and building a pier at the foot of Fordham road, Harlem river, in the Borough of The Bronx, and for removing the present pier and dredging thereat. Submitted March 17, 1898, and again April 20, 1899, and advertised as Contract No. 661.

Engineer's Order.—For dredging north of West Thirty-fourth street, on the North river. Submitted May 10, 1899, and advertised as Contract No. 662.

Engineer's Order.—For furnishing and delivering about 2,000 tons of anthracite coal. Submitted May 24, 1899, and advertised as Contract No. 664.

Secretary's Order No. 19014.—For preparing for and building a new crib-bulkhead with appurtenances between East Eightieth and East Eighty-first streets, East river, Borough of Manhattan, and for dredging thereat. Submitted June 1, 1899, and advertised as Contract No. 663.

Engineer's Order.—For dredging on the East and Harlem rivers, boroughs of Manhattan, Brooklyn, Queens, and The Bronx. Submitted June 6, 1899, and advertised as Contract No. 665.

Forms of Contracts.

Engineer's Order.—For dredging on the North river, between Battery and Thirty-fourth street. Submitted June 20, 1899, and advertised as Contract No. 666. On account of the death of the contractor this contract was subsequently cancelled.

Secretary's Order No. 19367.—For preparing for and building a new wooden pier with appurtenances west of Rutgers slip, East river, Borough of Manhattan. Submitted July 31, 1899, and advertised as Contract No. 667.

Engineer's Order.—For furnishing sawed yellow pine timber. Submitted September 5, 1899, and advertised as Contract No. 668.

Secretary's Order No. 19343.—For preparing for and building two new wooden piers, with appurtenances, to be known as New Pier, No. 3, and New Pier, No. 4, at the Wallabout basin, in the Borough of Brooklyn. Submitted August 10, 1899, and again October 13, 1899, and advertised as Contract No. 669.

Secretary's Order No. 19568.—For preparing for and building a platform at the foot of Railroad avenue, Harlem river, in the Borough of The Bronx. Submitted October 23, 1899, and advertised as Contract No. 670.

Secretary's Order No. 19343.—For preparing for and paving with granite or Staten Island syenite the filled-in land in the rear of the bulkhead-wall on the easterly side of Wallabout basin, in the Borough of Brooklyn. Submitted November 27, 1899, and advertised as Contract No. 671.

Engineer's Order.—For dredging on the North river, between the Battery and West Thirty-fourth street, Borough of Manhattan. Submitted December 1, 1899, and advertised as Contract No. 672.

Engineer's Order.—For furnishing granite stones for bulkhead or river wall. Submitted December 6, 1899, and advertised as Contract No. 673.

Engineer's Order.—For furnishing and delivering about 3,000 piles. Submitted December 6, 1899, and advertised as Contract No. 674.

Engineer's Order.—For furnishing about 10,000 barrels of Portland cement. Submitted December 21, 1899, and advertised as Contract No. 675.

Secretary's Order No. 19677.—For preparing for and building a new wooden pier with appurtenances east of Pike slip, East river, Borough of Manhattan, to be known as Pier, new 32. Submitted December 22, 1899, and advertised as Contract No. 676.

Dredging.

Dredging Done by the Department of Docks and

LOCATION.	MONTH.	MUD. Cubic Yards.	CRIB. Cubic Yards.	MISCEL- LANEOUS.	DEPTH IN FEET, MEAN LOW WATER.	CON- TRACT NUMBER OR TREAS- URER'S ORDER NUMBER.
Pier, new 1, N. R.....	Mar., 1899	5,875	.....	.....	..	\$19890
	Apr., "	.....	.....	Mud. rip- rap, etc., 3,549	22½	19937
Pier, new 14 (south side), N. R.....	July, "	14,853	.....	.....	33	649
Park Place Section, N. R.....	June, "	11,740	2,654	.....	26	632
	July, "	48	.....	.....	26	632
*Dump at Canal street, N. R... ..	Jan., "	813	.....	.....	..	629
	July, "	577	.....	.....	16½	649
Watts Street Section, N. R.....	Mar., "	16,279	3,548	.....	..	629
Bulkhead north of Pier, new 21, N. R.....	Apr., "	554	.....	.....	17	649
Pier, new 31, N. R.....	Sept., "	7,625	.....	.....	20.86	649
Pier, old 42 (north side) N. R.....	" "	364	.....	.....	15-75	649
Pier, new 42, N. R.....	Nov., "	25,936	.....	.....	35	20276
	Dec., "	11,636	.....	.....	35	20276
Bulkhead between Piers, old 42 and new 34, N. R.	Sept., "	1,823	.....	.....	15-75	649
Pier, new 34, N. R.....	" "	580	.....	.....	15-75	649
Bulkhead between Piers 42 and 43, N. R.....	Jan., "	94	.....	.....	..	629
	Feb., "	1,691	.....	.....	..	629
	Mar., "	74	.....	.....	..	649
Pier, old 39 (south side), N. R.....	July, "	14,104	.....	.....	33	649
Pier, old 39 (north side), N. R.....	" "	14,207	.....	.....	33	\$20089
Bulkhead between Piers, new 39 and 40, N. R... ..	" "	744	.....	.....	18	\$20099
Pier, new 40, N. R.	" "	24,340	.....	.....	32½	\$20099
Bulkhead between Piers, new 44 and 45, N. R... ..	" "	.....	.....	Rip-rap, 435	19	\$20099
Pier, new 58 (north side), N. R.....	Mar., "	4,246	.....	.....	..	629
Pier, new 59, N. R.,.....	Feb., "	10,609	.....	.....	..	629
	Mar., "	1,426	.....	.....	..	629
Pier, new 60, N. R.....	Feb., "	4,936	.....	.....	..	629
Gansevoort Section, Perry street, N. R.....	May, "	33,476	.....	.....	26	649
	June, "	193	.....	.....	26	649
Gansevoort Section (south end), N. R., Pier, old 54	Aug., "	4,966	986	.....	27.2	\$20118
Pier, new 52, N. R.....	June, "	1,013	.....	.....	..	649
Bulkhead between Piers, new 52 and old 56½, N. R	" "	975	.....	.....	..	649
Pier, old 56½ (south side), N. R.....	" "	2,138	.....	.....	..	649
Pier, old 57, N. R. (oyster basin).	Jan., "	1,010	.....	.....	..	629
	" "	.....	832	.....	..	19780
Pier, old 58 (north side), N. R.....	May, "	1,982	.....	.....	15½	649

Dredging.

Ferries for Twelve Months Ending December 31, 1899.

AUTHORIZATION.	BY WHOM PERFORMED.	WHEN BEGUN.	WHEN FINISHED.	PRICE.	AMOUNT
Res. of Board, Feb. 21, 1899..	{ Morris & Cumings Dredging } Co.....	Mar. 10, 1899	Mar. 15, 1899	31	\$1,821 25
" " ..		.....	Apr. 10, "	31	1,100 19
Res. of Board, Jan. 27, 1899..	P. Sanford Ross.....	July 12, 1899	July 27, "	18	2,673 54
Res. of Board, April 17, 1899..	E. S. Walsh.....	June 5, "	.....	{ 40 18 }	3,174 60
" " ..	"	July 1, "	July 1, 1899	18	
Res. of Board, Mar. 11, 1898..	Atlantic Dredging Co.	Jan. 11, "	Jan. 11, "	17 1/2	139 84
Res. of Board, Jan. 27, 1899..	P. Sanford Ross.....	July 18, "	July 18, "	18	103 86
Res. of Board, Mar. 11, 1898..	Atlantic Dredging Co.....	Mar. 1, "	Mar. 15, "	{ 18 100 }	2,930 22 3,548 00
Res. of Board, Jan. 27, 1899..	P. Sanford Ross.....	Apr. 3, "	Apr. 3, "	18	
" " ..	"	Sept. 12, "	Sept. 15, "	18	1,372 50
" " ..	"	" 6, "	" 7, "	18	65 52
Secretary's Order No. 19634..	{ Morris & Cumings Dredging } Co.	Nov. 17, "	.....	{ 18 18 }	6,762 96
" " ..		.....	Dec. 10, 1899		
Res. of Board, Jan. 27, 1899..	P. Sanford Ross	Sept. 6, 1899	Sept. 7, "	18	220 14
" " ..	"	" 6, "	" 7, "	18	104 40
Res. of Board, Mar. 11, 1899..	Atlantic Dredging Company...	Jan. 5, "	Mar. 1, "	17 1/2	216 54
Res. of Board, Jan. 27, 1899..	P. Sanford Ross	July 8, "	July 11, "	18	2,538 72
Res. of Board, July 10, 1899..	Morris & Cumings Dredging Co.	" 14, "	" 17, "	18	9,557 26
Res. of Board, July 17, 1899..	"	" 19, "	" 24, "	18	133 92
" " ..	"	" 19, "	" 24, "	18	4,381 20
" " ..	"	" 19, "	" 19, "	40	174 00
Res. of Board, Mar. 11, 1899..	Atlantic Dredging Co.....	Mar. 1, "	Mar. 4, "	17 1/2	731 31
" " ..	"	Feb. 4, "	.....	17 1/2	1,324 74
" " ..	" .....	.....	Mar. 1, 1899	17 1/2	245 27
" " ..	"	Feb. 3, 1899	Feb. 25, "	17 1/2	848 99
Res. of Board, Jan. 27, 1899..	P. Sanford Ross	May 5, "	.....	{ 18 100 }	6,060 42
Res. of Board, June 24, 1897..	Morris & Cumings Dredging Co.	Aug. 9, 1899	Aug. 18, "		
Res. of Board, Jan. 27, 1899..	P. Sanford Ross.....	June 22, "	June 24, "	18	182 34
" " ..	"	" 22, "	" 24, "	18	175 50
" " ..	"	" 22, "	" 24, "	18	384 84
Res. of Board, Aug. 26, 1898..	Atlantic Dredging Co.....	Jan. 3, "	Jan. 4, "	17 1/2	173 72
" " ..	Morris & Cumings Dredging Co.	" 23, "	" 23, "	100	832 00
Res. of Board, Jan. 27, 1899..	P. Sanford Ross.....	May 17, "	May 18, "	18	356 76

Dredging.

LOCATION.	MONTH.	MUD. Cubic Yards.	CRIB. — Cubic Yards.	MISCELLANEOUS.	DEPTH IN FEET, MEAN LOW WATER.	CON- TRACT NUMBER OR TREAS- URY'S ORDER NUMBER.
Bloomfield street, Pier, old 58, N. R.....	Aug., 1899	4,693	1,457	.....	17½	\$20114
West Thirteenth street Pier (north side), N. R..	July, "	1,205	.....	.....	15	649
West Thirteenth street Pier, N. R.	Nov., "	1,532	.....	.....	16½	\$20244
West Sixteenth street Pier, N. R.....	Apr., "	6,206	.....	.....	15	649
	May, "	8,000	.....	.....	16	649
West Seventeenth street Pier, N. R.....	Nov., "	7,442	1,810	.....	20.29	\$20231
	Dec., "	8,884				
West Eighteenth street Pier, N. R.....	Dec., "	16,616	.....	.....	25	\$20243
West Nineteenth street Pier, N. R.....	May, "	13,172	.....	.....	20½	649
*Dump, West Nineteenth street, N. R.....	Oct., "	1,728	.....	.....	16½	649
West Twentieth street Pier, N. R.....	May, "	4,294	.....	.....	20½ N.,	649
	Jun., "	6,149	.....	.....	16½ S.,	649
West Twenty-first street Pier, N. R.....	June "	13,443	.....	.....	28½	649
	July, "	13,238	.....	.....
Pier, new 57, N. R.....	May, "	11,919	.....	.....	26½	649
Pier, new 57 (south side), N. R.....	Nov., "	15,383	.....	.....	27	\$20263
Pier, new 57 (north side), N. R.....	Dec., "	12,091	.....	.....	47	\$20231
Pier, new 58 (south side), N. R.	May, "	10,483	.....	.....	26½	649
	Apr., "	8,758	.....	.....	27	649
Pier, new 59, N. R.....	" "	3,501	.....	.....	27	629
*Dump, foot of Thirtieth street (north side), N. R.	Dec., "	4,200	.....	.....	21	\$20320
Pier, new 60, N. R.....	" "	6,534	.....	.....	21	\$20320
Bulkhead between Piers, new 60 and 61, N. R...	" "	1,200	.....	.....	15	\$20320
Pier, new 61 (south side), N. R.....	Nov., "	15,513	.....	.....	26	\$20286
Pier, new 61, N. R.....	Dec., "	33,805	.....	.....	26	
Bulkhead between Piers, new 61 and 62, N. R...	" "	3,158	.....	.....	15	\$20286
Pier, new 62 (north side), N. R.....	Nov., "	4,720	.....	.....	26	\$20286
Pier, new 62, N. R.....	Dec., "	44,996	.....	.....	26	
Bulkhead between Piers, new 62 and 63, N. R...	" "	4,678	.....	.....	15	\$20286
Pier, new 63, N. R.....	" "	31,993	.....	.....	26	\$20286
West Thirty-fourth street Pier (north side), N. R.	Apr., "	14,862	.....	.....	27	649
West Thirty-fourth street Pier (south side), N. R.	May, "	6,633	.....	.....	27	
Pier at West Thirty-fourth street (north side), N. R.	Mar., "	13,889	.....	.....	..	638
West Fortieth street Pier, N. R.....	July, "	20,245	.....	.....	16½	638
West Forty-second street Section and slip { between Forty-second and Forty-third streets, N. R.....	" "	9,850	.....	.....	16½	638
	" "	31,750	.....	.....	36	\$20067
West Forty-second street landing, N. R.....	May, "	7,751	.....	.....	17	638
West Forty-second Street Section (extra), N. R.	June, "	247	.....	.....	..	\$20057
West Forty-third Street Section extended (sic { of Pier), N. R.....	July, "	6,457	.....	.....	17	638
	" "	7,554	.....	.....	35	\$20076

Dredging.

AUTHORIZATION.	BY WHOM PERFORMED.	WHEN BEGUN.	WHEN FINISHED.	PRICE	AMOUNT.
Res. of Board, July 17, 1899..	Morris & Cumings Dredging Co.	Aug. 7, 1899	Aug. 18, 1899	{ 18 100	{ \$2,301 74
Res. of Board, Jan. 27, 1899..	P. Sanford Ross.....	July 8, "	July 8, "	18	216 90
Secretary's Order No. 19590..	Morris & Cumings Dredging Co.	Nov. 21, "	Nov. 21, "	18	275 76
Res. of Board, Jan. 27, 1899..	P. Sanford Ross.....	Apr. 3, "	Apr. 7, "	18	1,133 28
" " ..	"	May 18, "	May 24, "	18	1,440 00
Res. of Board, Oct. 6, 1899...	Morris & Cumings Dredging Co.	Nov. 27, "	Dec. 30, "	{ 18 100	{ 2,938 68 1,840 00
Secretary's Order No. 19566..	"	" 6, "	Nov. 14, "	18	2,990 88
Res. of Board, Jan. 27, 1899..	P. Sanford Ross.....	May 19, "	May 31, "	18	2,370 96
" " ..	"	Oct. 20, "	Oct. 21, "	18	311 04
" " ..	"	May 17, "	"	18	1,879 74
" " ..	"	June 24, 1899	June 5, 1899	18	4,802 58
Res. of Board, Jan. 27, 1899..	P. Sanford Ross.....	May 3, 1899	May 16, "	18	2,145 42
Secretary's Order No. 19602..	Morris & Cumings Dredging Co.	Nov. 14, "	"	18	4,585 86
Secretary's Order No. 19204..	"	"	Dec. 22, 1899	18	1,886 94
Res. of Board, Jan. 27, 1899..	P. Sanford Ross.....	May 3, 1899	May 16, "	18	1,576 44
" " ..	"	Apr. 14, "	Apr. 24, "	18	602 17
Res. of Board, Mar. 11, 1899..	Atlantic Dredging Company...	" 12, "	" 14, "	17 1/2	756 00
Secretary's Order No. 19678..	Morris & Cumings Dredging Co.	Dec. 31, "	Dec. 31, "	18	1,176 12
" " ..	"	" 31, "	" 31, "	18	216 00
" " ..	"	" 31, "	" 31, "	18	8,877 24
Secretary's Order No. 19628..	"	Nov. 22, "	Dec. 16, 1899	18	568 44
" " ..	"	Dec. 9, 1899	" 15, "	18	8,948 88
" " ..	"	" 1, "	Dec. 21, 1899	18	842 04
" " ..	"	Dec. 15, 1899	" 18, "	18	5,759 10
" " ..	"	" 8, "	" 27, "	18	3,869 10
Res. of Board, Jan. 27, 1899..	P. Sanford Ross	Apr. 17, "	May 8, 1899	18	1,631 95
Engineer's Order	Edward S. Walsh.....	Mar. 6, 1899	Mar. 18, "	11 3/4	2,378 79
Secretary's Order No. 19321..	"	July 15, "	July 26, "	11 3/4	1,157 38
Res. of Board, June 27, 1899..	"	" 15, "	" 26, "	11 3/4	3,810 00
" " ..	Morris & Cumings Dredging Co.	June 30, "	" 14, "	12	910 74
Secretary's Order No. 19068..	Edward S. Walsh.....	May 1, "	May 19, "	11 3/4	29 64
Res. of Board, June 27, 1899..	Morris & Cumings Dredging Co.	June 30, "	June 30, "	12	758 70
Res. of Board, Sept. 2, 1899..	Edward S. Walsh.....	July 1, "	July 6, "	11 3/4	906 48
" " ..	Morris & Cumings Dredging Co.	" 12, "	" 13, "	12	

Dredging.

LOCATION.	MONTH.	MUD. Cubic Yards.	CRIB. Cubic Yards.	MISCEL- LANEOUS.	DEPTH IN FEET, MEAN L. W WATER.	CON- TRACT NUMBER OR TREAS- URER'S ORDER NUMBER.
West Forty-third Street Section (north side, N. R.....	Sep., 1899	4,719	.....	.....	15	662
West Forty-fourth street Pier (south side), N. R.	Oct., "	431	.....	.....	..	662
West Forty-fifth street Pier (south side), N. R.	Sept., "	9,935	.....	.....	15	662
*Dump at West Forty-seventh street, N. R....	Oct., "	19,275	.....	.....	15	662
Pier at West Forty-eighth street, N. R.....	Jan., "	474	.....	.....	15	638
Pier at West Forty-ninth street, N. R.....	July, "	1,215	.....	.....	10	638
Pier at West Forty-ninth street (south side), N. R.	Jan., "	28,921	.....	.....	15	638
Pier at West Fiftieth street (north side), N. R...	Sept., "	14,235	.....	.....	16	662
Pier at West Fifty-first street (north side), N. R.	Oct., "	10,358	.....	.....	15	662
Pier at West Fifty-third street, N. R.....	" "	9,569	.....	.....	16	662
Pier at West Fifty-fourth street, N. R.....	" "	10,331	.....	.....	16	662
Pier at West Fifty-fifth street (north side), N. R.....	" "	7,675	.....	.....	16	662
Bulkhead between West Fifty-fifth and West Fifty-sixth streets, N. R.....	Nov., "	481	.....	.....	16	662
Pier at West Fifty-sixth street, N. R.....	Sept., "	19,043	.....	.....	16	662
In front of Seventy-fifth Street Timber Basin, N. R.....	Mar., "	9,271	.....	.....	16	638
Bulkhead between West Eightieth and West Eighty-first streets, N. R.....	Apr., "	3,390	.....	.....	16	638
Bulkhead at Eighty-first street, N. R.....	" "	3,999	.....	.....	16	638
Bulkhead at West Ninety-sixth street, N. R...	Apr., "	10,697	.....	.....	16	638
West One Hundred and Twenty-ninth street Pier, N. R.....	Mar., "	4,133	.....	.....	16	638
Bulkhead between One Hundred and Twenty-ninth and One Hundred and Thirtieth streets, N. R.....	Aug., "	1,166	.....	.....	16	638
Pier at West One Hundred and Thirty-first street, N. R.....	Sept., "	5,990	.....	.....	14 1/2	662
Pier at West One Hundred and Thirty-first street, N. R.....	Oct., "	41,105	.....	.....	15	662
Bulkhead between One Hundred and Thirty-first and One Hundred and Thirty-second streets, N. R.....	Nov., "	1,203	.....	.....	13	662
Bulkhead at West One Hundred and Thirty-second street, N. R.....	" "	761	.....	.....	13	662
Bulkhead between One Hundred and Thirty-second and One Hundred and Thirty-third streets, N. R.....	July, "	98	.....	.....	14	638
Pier at West One Hundred and Thirty-third street, N. R.....	Aug., "	189	.....	.....	14	638
Bulkhead between One Hundred and Thirty-third and One Hundred and Thirty-fourth streets, N. R.....	Apr., "	3,857	.....	.....	15	638
Pier at West One Hundred and Thirty-fourth street, N. R.....	" "	1,100	.....	.....	15	638
Bulkhead between One Hundred and Thirty-fourth and One Hundred and Thirty-fifth streets, N. R.....	" "	2,487	.....	.....	15	638
Bulkhead at West One Hundred and Thirty-fifth street, N. R.....	Mar., "	1,026	.....	.....	15	638
Bulkhead between One Hundred and Thirty-fifth and One Hundred and Thirty-sixth streets, N. R.....	" "	398	.....	.....	15	638
Bulkhead at West One Hundred and Thirty-sixth street, N. R.....	Nov., "	2,081	For Riverside and Fort Lee Ferry Co	.....	9	662
Pier at West One Hundred and Thirty-sixth street, N. R.....	Apr., "	1,862	.....	.....	15	638
Bulkhead between One Hundred and Thirty-sixth and One Hundred and Thirty-seventh streets, N. R.....	" "	2,438	.....	.....	15	638
Pier at West One Hundred and Thirty-seventh street, N. R.....	" "	2,172	.....	.....	15	638
Pier 20 (east side), E. R.....	May, "	4,206	.....	.....	20 1/2	647
Pier, old 21 (west side), E. R.....	" "	5,011	.....	.....	20 1/2	647
Pier, old 33 (east side), E. R.....	" "	1,115	.....	.....	21	647
Pier, old 34 (west side), E. R.....	" "	963	.....	.....	21	647
Pier, new 32, E. R.....	Nov., "	2,080	.....	.....	26	652

Dredging.

AUTHORIZATION.	BY WHOM PERFORMED.	WHEN BEGUN.	WHEN FINISHED.	PRICE.	AMOUNT.
Res. of Board, May 12, 1899..	Du Bois Bros. Dredging Co..	Sept. 27, 1899	Oct. 22, 1899	11 $\frac{1}{8}$	\$587 10
" " ..	" ..	Sept. 25, 1899	Sept. 26, "	11 $\frac{1}{8}$	1,132 59
" " ..	" ..	Oct. 5, "	Oct. 13, "	11 $\frac{1}{8}$	2,197 35
Secretary's Order No. 18787..	{ E. S. Walsh	Jan. 24, "	Jan. 24, "	{ 11 $\frac{3}{4}$	198 45
Secretary's Order No. 19333..		July 28, "	July 28, "		
Secretary's Order No. 18735..	" ..	Jan. 2, "	Jan. 27, "	11 $\frac{3}{4}$	3,398 21
Res. of Board, May 12, 1899..	Du Bois Bros. Dredging Co..	Sept. 28, "	Oct. 4, 1899	11 $\frac{1}{8}$	2,803 60
" " ..	" ..	Oct. 27, 1899	" 31, "	11 $\frac{1}{8}$	1,090 87
" " ..	" ..	" 24, "	" 27, "	11 $\frac{1}{8}$	1,177 73
" " ..	" ..	" 20, "	Nov. 11, 1899	11 $\frac{1}{8}$	{ 929 78
" " ..	" ..	Sept. 16, 1899	Sept. 22, "	11 $\frac{1}{8}$	
Secretary's Order No. 18889..	E. S. Walsh	Mar. 20, "	Apr. 19, 1899	11 $\frac{3}{4}$	1,487 67
" " ..	" ..	Mar. 20, 1899	Apr. 19, "	11 $\frac{3}{4}$	469 88
" " ..	" ..	" 31, "	.....	{ 11 $\frac{3}{4}$	1,879 54
Engineer's Order.....	" ..	.....	Aug. 31, 1899		
Res. of Board, May 12, 1899..	Du Bois Bros. Dredging Co..	Sept. 22, 1899	Sept. 23, "	11 $\frac{1}{8}$	682 86
Secretary's Order No. 19512..	" ..	Oct. 5, "	Oct. 20, "	11 $\frac{1}{8}$	4,685 97
Secretary's Order No. 19591..	" ..	Nov. 2, "	Nov. 2, "	11 $\frac{1}{8}$	137 14
" " ..	" ..	Nov. 2, "	" 2, "	11 $\frac{1}{8}$	86 75
Secretary's Order No. 19262..	E. S. Walsh	July 28, "	Aug. 2, 1899	11 $\frac{3}{4}$	33 73
Secretary's Order No. 19022..	" ..	Apr. 24, 1899	Apr. 29, "	11 $\frac{3}{4}$	453 20
" " ..	" ..	" 24, "	" 29, "	11 $\frac{3}{4}$	129 25
" " ..	" ..	" 24, "	" 29, "	11 $\frac{3}{4}$	292 22
Secretary's Order No. 18920..	" ..	Mar. 31, "	Mar. 31, "	11 $\frac{3}{4}$	120 56
" " ..	" ..	" 31, "	" 31, "	11 $\frac{3}{4}$	46 77
Res. of Board, Oct. 20, 1899..	Du Bois Bros. Dredging Co....	Nov. 16, "	Nov. 17, "	11 $\frac{1}{8}$	237 23
Secretary's Order No. 18920..	E. S. Walsh	Mar. 31, "	Apr. 28, "	11 $\frac{3}{4}$	218 79
" " ..	" ..	" 31, "	" 28, "	11 $\frac{3}{4}$	286 47
" " ..	" ..	" 31, "	" 28, "	11 $\frac{3}{4}$	255 21
Secretary's Order No. 19074..	International Contracting Co..	May 22, "	May 26, "	12 $\frac{1}{4}$	515 24
" " ..	" ..	" 22, "	" 26, "	12 $\frac{1}{4}$	613 85
Secretary's Order No. 19136..	" ..	" 26, "	" 26, "	12 $\frac{1}{4}$	136 59
" " ..	" ..	" 26, "	" 27, "	12 $\frac{1}{4}$	117 97
Res. of Board, May 3, 1899..	Morris & Cumings Dredging Co.	Nov. 15, "	Nov. 23, "	18	374 40

Dredging.

LOCATION.	MONTH.	MUD. — Cubic Yards.	CRIB. — Cubic Yards.	MISCEL- LANEOUS.	DEPTH IN FEET, MEAN LOW WATER.	CON- TRACT NUMBER OR TREAS- URER'S ORDER NUMBER.
Catharine street, E. R.....	Jan., 1899	} Mud-cribwork, lump sum.			..	644
*Dump at Rutgers street, E. R.....	Feb., "		410	.....	..	562
Rutgers Section, E. R.....	Mar., "	6,982	.....	.....	..	647
Rutgers Section, wall proper, E. R.....	Apr., "	1,017	1,387	.....	25	650
	June, "	4,460	.....	.....	25½	647
New Pier foot of Rutgers street, E. R.....	Apr., "	5,888	.....	.....	25	647
	" "	3,051	4,161	.....	25	650
	May, "	3,263	.....	.....	25	647
New Pier next south of Rutgers street, E. R....	" "	6,526	.....	.....	..	647
Rutgers Section, over old 43, E. R.....	July, "	3,189	795	.....	26	\$20097
Rutgers Section, over old 42, E. R.....	Aug., "	576	3,260	.....	25-32	652
Bulkhead wall area between Rutgers and Pike streets, E. R.....	Sept., "	448	2,513	.....	25-32	652
	Nov., "	1,400	.....	.....	26	652
Pier at Fourth street, E. R.....	Mar., "	6,461	.....	.....	..	647
	" "	255	.....	.....	..	562
	May, "	16,594	.....	.....	25-31	647
Bulkhead, East Fourth street, E. R.....	June, "	2,872	.....	.....	25-31	647
	May, "	1,843	.....	.....	25	647
Bulkhead East Fourteenth street, E. R.....	June, "	319	.....	.....	25	647
	Apr., "	714	.....	.....	12	647
East Twenty-third Street Section, E. R.....	Mar., "	3,966	.....	.....	..	647
East Twenty-third Street Section Wall, Seven- teenth to Eighteenth street, E. R.....	May, "	5,115	.....	.....	19½	647
East Twenty-third street Section Wall, Twen- ty-first to Twenty-second street, E. R....	Apr., "	3,243	.....	.....	18	647
East Twenty-third Street Section, Eighteenth street, E. R.....	Sept., "	883	.....	.....	19	665
East Twenty-third Street Section, Eighteenth to Twenty-second street, E. R.....	Oct., "	1,484	} 4,012	.....	19	\$20232
	Nov., "	9,936				
East Twenty-third Street Section, foot East Twenty-third street, E. R.....	Oct., "	19,432	} 4,012	.....	20	\$20134
	Nov., "	201				
Pier at East Twenty-fourth street, E. R.....	Jan., "	5,575	.....	.....	..	562
Bulkhead between East Twenty-fourth and Twenty-fifth streets, E. R.....	" "	231	.....	.....	..	562
Pier at East Twenty-fifth street (south side), E. R.	" "	411	.....	.....	..	562
*Dump at East Twenty-eighth street, E. R....	" "	437	.....	.....	..	562
Pier at East Twenty-eighth street (north side), E. R.....	May, "	10,697	.....	.....	..	647
Pier at East Thirty-first street, E. R.....	Apr., "	3,822	.....	.....	16½	647
*Dump at East Thirty-eighth street Pier, E. R }	May, "	896	.....	.....	15	647
	Dec., "	1,082	.....	.....	16½	665
Bulkhead between Thirty-eighth and Thirty- ninth streets, E. R.....	" "	1,170	.....	.....	22	665

Dredging.

AUTHORIZATION.	BY WHOM PERFORMED.	WHEN BEGUN.	WHEN FINISHED.	PRICE.	AMOUNT.
Res. of Board, Nov. 25, 1898..	Morris & Cumings Dredging Co.	Jan. 25, 1899	Feb. 24, 1899	...	\$4,690 00
Res. of Board, Dec. 10, 1896..	Atlantic Dredging Co.....	Mar. 29, "	Mar. 29, "	17½	71 24
Res. of Board, Feb. 3, 1899..	International Contracting Co...	" 21, "	" 31, "	12½	855 30
Res. of Board, Feb. 10, 1899..	R. G. Packard.....	Apr. 12, "	Apr. 29, "	{ 18 100	{ 1,570 06
Res. of Board, Feb. 3, 1899..	International Contracting Co...	June 19, "	June 22, "	12½	546 35
" " ..	" ..	Mar. 31, "	Apr. 7, "	12½	721 88
Res. of Board, Feb. 10, 1899..	R. G. Packard	Apr. 12, "	Apr. 29, "	{ 18 100	{ 4,710 18
Res. of Board, Feb. 3, 1899..	International Contracting Co..	May 17, "	May 27, "	12½	399 72
" " ..	" ..	" 17, "	" 27, "	12½	799 44
Res. of Board, Feb. 3, 1893..	Morris & Cumings Dredging Co.	July 20, "	July 26, "	{ 18 100	{ 1,369 02
Res. of Board, Mar. 3, 1899 ..	" ..	Aug. 29, ..	Sept. 9, 1899	{ 18 100	{ 5,957 32
" " ..	" ..	Nov. 22, 1899	Nov. 22, "	18	252 00
Res. of Board, Dec. 9, 1898...	International Contracting Co..	Mar. 21, "	Mar. 27, "	12½	791 47
Res. of Board, Dec. 10, 1896..	Atlantic Dredging Co.....	" 21, "	" 21, "	17½	44 31
Res. of Board, Dec. 9, 1898 ..	International Contracting Co..	May 1, "	June 5, "	12½	2,032 77
" " ..	" ..	" 1, "	" 5, "	12½	351 82
" " ..	" ..	" 1, ..	.....	12½	264 85
" " ..	" ..	Apr. 7, 1899	Apr. 8, "	12½	87 47
Res. of Board, Jan. 27, 1899..	" ..	Mar. 14, "	Mar. 18, "	12½	485 84
" " ..	" ..	May 1, "	May 17, "	12½	626 59
" " ..	" ..	Apr. 17, "	Apr. 29, "	12½	397 27
Res. of Board, June 9, 1899...	Atlantic Dredging Co.....	Sept. 20, "	Sept. 23, "	20	176 60
Res. of Board, Jan. 27, 1899..	{ Morris & Cumings Dredging Co.....	Nov. 1, ..	Nov. 14, 1899	{ 18	{ 2,055 60
" " ..	{ Morris & Cumings Dredging Co.....	Oct. 6, 1899	.....	100	4,012 00
" " ..	" ..	.....	Nov. 1, 1899	18	3,533 94
Res. of Board, Dec. 10, 1896..	Atlantic Dredging Co.....	Jan. 3, 1899	Jan. 11, "	17½	986 03
" " ..	" ..	" 11, "	" 11, "	17½	40 14
" " ..	" ..	" 12, "	" 12, "	17½	71 41
" " ..	" ..	" 30, "	" 31, "	17½	75 92
Res. of Board, Dec. 9, 1898..	International Contracting Co..	May 12, "	May 23, "	12½	1,310 38
" " ..	" ..	Apr. 3, "	Apr. 6, "	12½	468 20
" " ..	" ..	May 10, "	May 11, "	12½	109 76
Res. of Board, June 9, 1899..	Atlantic Dredging Co.....	Dec. 14, "	Dec. 15, "	20	216 40
" " ..	" ..	" 18, "	" 20, "	20	234 00

Dredging.

LOCATION.	MONTH.	MUD. — Cubic Yards.	CRIB. — Cubic Yards.	MISCEL- LANEOUS.	DEPTH IN FEET, MEAN LOW WATER.	CON- TRACT NUMBER OR TREAS- URER'S ORDER NUMBER.
*Dump at East Forty-sixth street, E. R.....	Jan., 1899	178	.....	.....	..	562
Bulkhead between Sixty-first and Sixty-second streets, E. R.....	" "	384	.....	.....	..	562
East Seventy-eighth street, F. R.....	Aug., "	45	.....	.....	10	665
East Eightieth street (crib area), E. R.....	Sept., "	995	.....	.....	..	663
	Oct., "	778	376	.....	{ Rock bot- tom. 12 }	663
East Eighty-sixth street (upper pier), E. R....	Apr., "	110	.....	.....	12	647
Bulkhead between East Ninety-fourth and Ninety-fifth streets, E. R.....	" "	313	.....	.....	16	647
East Ninety-ninth street, east of wall, 100 feet, E. R.....	May, "	287	.....	.....	16	647
	" "	4,536	.....	.....	16	647
East One Hundred and Fifth street, H. R.....	" "	627	.....	.....	12	647
Pier at East One Hundred and Seventeenth street, H. R.....	June, "	3,630	.....	.....	11½	647
†Randall's Island, opposite East One Hundred and Seventeenth street, H. R.....	Jan., "	167	.....	.....	..	562
†Randall's Island, opposite East One Hundred and Nineteenth street, H. R.....	" "	567	.....	.....	..	562
‡Randall's Island Coal Dock, H. R.....	Mar., "	1,075	.....	.....	..	570
Bulkhead between East One Hundred and Seventh and One Hundred and Eighth streets, H. R.....	Jan., "	941	.....	.....	..	562
	Feb., "	864	.....	.....	..	562
Bulkhead foot of East One Hundred and Eighth street, H. R.....	Feb., "	406	.....	.....	..	562
Bulkhead between East One Hundred and Eighth and One Hundred and Ninth streets, H. R.....	" "	1,698	.....	.....	..	562
Bulkhead foot East One Hundred and Ninth street, H. R.....	" "	394	.....	.....	..	562
Bulkhead between One Hundred and Ninth and One Hundred and Tenth streets, H. R.....	" "	2,062	.....	.....	..	562
*Dumping board, East One Hundred and Tenth street (south side), H. R.....	" "	586	.....	.....	..	562
East One Hundred and Tenth street, H. R.....	" "	1,204	.....	.....	..	562
Bulkhead along East One Hundred and Twen- ty-fifth street, H. R.....	Jan., "	1,615	.....	.....	..	562
*Dump at Lincoln avenue, H. R.....	Mar., "	890	.....	.....	..	570
Bulkhead foot of East One Hundred and Thirty-sixth street, H. R.....	Feb., "	586	.....	.....	..	570
East One Hundred and Thirty-sixth street (channel to bulkhead), H. R.....	Aug., "	760	.....	.....	13-5	665
Bulkhead between West One Hundred and Thirty-ninth and One Hundred and For- tieth streets, H. R.....	May, "	1,267	.....	.....	14	570
Fordham Heights, H. R.....	Nov., "	4,232	.....	.....	..	662
Riker's Island	May "	2,213	.....	.....	13	\$19976
Foot of Division avenue, Brooklyn.....	Mar., "	4,748	.....	.....	..	\$19897
Pier foot of Gold street, Brooklyn	May, "	1,987	.....	.....	15	\$20006
Bathhouse berth foot of Forty-third street, Brooklyn	" "	3,176	.....	.....	13	\$19917
Wallabout Canal, Brooklyn.....	Aug., "	30,729	.....	.....	12	657
	Sept., "	1,887	.....	.....	..	665
Wallabout Basin, Piers, Brooklyn.....	Aug., "	9,509	.....	.....	..	665
	Sept., "	1,631	.....	.....	..	665

Dredging.

AUTHORIZATION.	BY WHOM PERFORMED.	WHEN BEGUN.	WHEN FINISHED.	PRICE.	AMOUNT.
Res. of Board, Dec. 10, 1896..	Atlantic Dredging Co.....	Jan. 10, 1899	Jan. 10, 1899	17½	\$29 89
" " ..	"	" 9, "	" 9, "	17½	66 72
Res. of Board, June 9, 1899..	"	Aug. 21, "	Aug. 21, "	20	9 00
Res. of Board, June 2, 1899..	John Gillies Co	Sept. 26, "	.....	20	354 60
" " ..	" .....	.....	Oct. 11, 1899	100	376 00
Res. of Board, Dec. 9, 1899..	International Contracting Co ..	Apr. 10, 1899	Apr. 11, "	12½	13 48
" " ..	" {	Mar. 11, "	.....	12½	73 50
" " ..	" ..	Apr. 11, 1899	Apr. 11, 1899	12½	555 66
" " ..	" ..	May 29, 1899	May 31, "	12½	76 81
" " ..	" ..	May 20, "	May 20, "	12½	444 68
" " ..	" ..	" 31, "	June 16, "	12½	29 01
Res. of Board, Dec. 10, 1896..	Atlantic Dredging Co.....	Jan. 30, "	Jan. 30, "	17½	98 52
" " ..	"	" 30, "	" 31, "	17½	213 92
Res. of Board, Mar. 12, 1897..	Charles Du Bois.....	Mar. 23, "	Mar. 23, "	19½	313 62
Res. of Board, Dec. 10, 1896..	Atlantic Dredging Co.....	Jan. 31, "	.....	17½	70 54
" " ..	"	Feb. 2, 1899	" 2, "	17½	295 03
" " ..	"	" 2, "	" 3, "	17½	68 46
" " ..	"	" 3, "	" 4, "	17½	358 26
" " ..	"	" 4, "	" 6, "	17½	101 81
" " ..	"	" 18, "	" 12, "	17½	209 19
" " ..	"	" 8, "	" 20, "	17½	280 61
" " ..	"	" 19, "	" 20, "	17½	177 11
Res. of Board, Mar. 12, 1899..	Charles Du Bois.....	Mar. 24, "	Mar. 24, "	19½	116 61
" " ..	"	Feb. 24, "	Feb. 24, "	19½	152 00
Res. of Board, June 9, 1897..	Atlantic Dredging Co.....	Aug. 18, "	Aug. 19, "	20	252 13
Res. of Board, Mar. 12, 1899..	Charles Du Bois.....	May 23, "	May 23, "	19½	482 45
Secretary's Order No. 19034..	Du Bois Bros. Dredging Co....	Nov. 20, "	Nov. 25, "	11½	760 39
Res. of Board, Apr. 14, 1899..	Morris & Cumings Dredging Co.	May 8, "	May 17, "	33½	845 14
Res. of Board, Mar. 3, 1899..	"	Mar. 15, "	Mar. 18, "	17½	397 40
Res. of Board, May 12, 1899..	"	May 26, "	May 27, "	20	568 50
Res. of Board, Mar. 24, 1899..	"	" 11, "	" 15, "	17½	6,523 20
Res. of Board, April 7, 1899..	James R. Steers	Aug. 9, "	.....	20	1,901 80
Res. of Board, June 9, 1899..	Atlantic Dredging Co.....	Aug. 24, 1899	Sept. 16, 1899	20	326 20
" " ..	" .....	.....	In progress.	20	

Dredging.

LOCATION.	MONTH.	MUD. — Cubic Yards.	CRIB. — Cubic Yards.	MISCEL- LANEOUS.	DEPTH IN FEET, MEAN LOW WATER.	CON- TRACT NUMBER OR TREAS- URER'S ORDER NUMBER.
Pier No. 1, Wallabout, Brooklyn.....	Oct., 1899	1,096	.....	.....	15	665
	Dec., "	5,463	.....	.....	15	665
Pier No. 2, Wallabout, Brooklyn.....	Oct., "	1,883	.....	.....	15	665
	Nov., "	560	.....	.....	15	665
Southerly Bulkhead, Wallabout, Brooklyn.....	Dec., "	11,049	.....	.....	15	665
	" "	507	.....	.....	15	665
East Bulkhead, Wallabout, Brooklyn.....	Nov., "	17,782	.....	.....	15	665
	Dec., "	4,295	.....	.....	15	665
West Bulkhead, Wallabout, Brooklyn.....	Nov., "	627	.....	.....	15	665
Totals		1,171,376	27,821			

NOTE—Premises marked thus (*) denotes work done for Department of Street Cleaning.

Premises marked thus (†) denotes work done for House of Refuge.

Premises marked thus (§) denotes work done for Department of Charities.

Premises marked thus (I) denotes work done for private parties.

Places marked thus (\$) show Treasurer's Order Number.

Dredging.

AUTHORIZATION.	BY WHOM PERFORMED.	WHEN BEGUN.	WHEN FINISHED.	PRICE.	AMOUNT.
Res. of Board, June 9, 1899.	Atlantic Dredging Co.	Oct. 3, 1899	Oct. 4, 1899	20	\$219 20
" " ..	"	Dec. 22, "	Dec. 30, "	20	1,092 60
" " ..	"	Oct. 6, "	Oct. 14, "	20	376 60
" " ..	"	Nov. 22, "	Nov. 22, "	20	112 00
" " ..	"	Dec. 12, "	Dec. 23, "	20	2,209 80
" " ..	"	" 6, "	" 6, "	20	101 40
" " ..	"	Nov. 6, "	.....	20	3,556 40
" " ..	" .....	.....	Dec. 11, 1899	20	859 00
" " ..	"	Nov. 28, 1899	Nov. 30, "	20	125 40
			Total.....	...	\$218,177 57

Dredging.

Statement of Dredging Done by Lessees, Private Parties and Others, under Permit or by Order from the Board of Docks.

LOCATION.	DEPTH.	AUTHORIZA- TION.	BY WHOM PERFORMED.	WHEN BEGUN.	WHEN FINISHED.
Liberty street, N. R.....	Feet. 15	Permit....	Central R. R. Co. of New Jersey.....	Oct. 15, 1899	Oct. 15, 1899
Pier, old 7, N. R.....	12 to 18	" ..	N. Y. and Baltimore Transportation Co..	July 6, "	July 6, "
Dump at Canal street, N. R.....	11 to 14	" ..	Brown & Fleming.....	Mar. 5, "	Mar. 5, "
Pier, new 25, N. R.....	25	" ..	Southern Pacific Co.....	June 20, "	July 10, "
Pier, new 37, N. R.....	25	" ..	" ..	" 20, "	" 10, "
Pier, new 35, N. R.....	20 to 25	" ..	Ocean S. S. Co. of Sa- vannah	July 21, "	Aug. 9, "
Dump at Sixteenth street, N. R....	7 to 15	" ..	Brown & Fleming.....	June 18, "	June 18, "
" ..	15 to 20	" ..	" ..	Oct. 16, "	Oct. 21, "
West Twenty-third street, N. R....	8 to 10	" ..	Erie Railroad Co.....	Apr. 2, "	Apr. 2, "
Bulkhead between Forty-third and Forty-fourth streets, N. R.....	15	" ..	Albert Hastdorf.....	June 17, "	June 24, "
Pier at Thirty-sixth street, N. R..	15	" ..	N. Y. Central and Hud- son R. R. Co.....	Jan. 11, "	Feb. 6, "
Dump at Fifty-fifth street, N. R....	12 to 19	" ..	Brown & Fleming.....	Mar. 19, "	Mar. 19, "
" ..	15	" ..	" ..	May 21, "	May 21, "
" ..	15	" ..	" ..	Dec. 13, "	Dec. 13, "
" ..	13 to 20	" ..	" ..	Aug. 13, "	Aug. 13, "
West Fifty-ninth to West Sixty- fourth street, N. R.....	15	" ..	N. Y. Central and Hud- son R. R. Co.....	July 7, "	July 19, "
Piers 17 and 18, E. R.....	25	" ..	R. M. Ferris, agent.....	Apr. 28, "	May 5, "
Pier 19, E. R.....	25	" ..	" ..	Mar. 12, "	Mar. 16, "
" ..	20	" ..	" ..	July 3, "	July 8, "
Dump at Jackson street, E. R.....	15	" ..	Brown & Fleming.....	Mar. 5, "	Mar. 30, "
" ..	20	" ..	" ..	May 14, "	May 14, "
" ..	15	" ..	" ..	Nov. 5, "	Nov. 7, "
Bulkhead between Corlears and Jackson streets.....	10	" ..	Interstate Dredging Co..	June 14, "	June 14, "
Dump at Broome street, E. R.....	8 to 15	" ..	Brown & Fleming	Mar. 28, "	Mar. 30, "
Delancey street, E. R.....	15 to 20	Order.....	P. H. Flynn.....	Apr. 10, "	Apr. 19, "
Pier at Seventh street, E. R.....	24	Permit....	Morgan & McGovern....	Mar. 14, "	Mar. 17, "
Bulkhead at Thirtieth street, E. R.	7 to 15	" ..	Albert Hastdorf.....	June 26, "	June 27, "
Dump at Fortieth street, E. R.....	20	" ..	Brown & Fleming.....	" 11, "	" 11, "
" ..	15	" ..	" ..	Sept. 10, "	Sept. 10, "
Bulkhead between Ninety-fifth and Ninety-sixth streets, E. R.....	7 to 10	" ..	John P. Kane Co.....	July 29, "	July 29, "
One Hundred and Fifty-ninth street, H. R.....	15	" ..	Manhattan Railway Co..	Aug. 14, "	Aug. 17, "
Morris Heights, H. R.....	6 to 10	" ..	Gas Engine and Power Co.....	May 2, "	May 3, "
Two Hundred and Ninth and Isham streets, H. R.....	15	" ..	P. Sanford Ross.....	Apr. 21, "	Oct. 31, "

Dredging.

LOCATION.	DEPTH.	AUTHORIZA- TION.	BY WHOM PERFORMED.	WHEN BEGUN.	WHEN FINISHED.
BOROUGH OF BROOKLYN.					
Columbia Pier	20	Per.mit ..	Brooklyn Wharf and Warehouse Co.....	Dec. 20, 1898	Jan. 4, 1899
Dikeman to Coffey streets.....	15 to 18	"	Atlantic Dock Co.....	Jan. 4, 1899	Feb. 2, "
Forty-first to Forty-second street.....	17 to 26	"	The Bush Co.....	" 23, "	" 24, "
Pier at Dock street.....	15 to 25	" ..	Brooklyn Wharf and Warehouse Co.....	Mar. 28, "	Mar. 30, "
Bulkhead between South Second and South Fifth streets.....	25	" ..	Brooklyn Wharf and Warehouse Co.....	June 4, "	June 5, "
Piers 34 and 35, Atlantic Basin.....	22 to 26	" ..	Brooklyn Wharf and Warehouse Co.....	Nov. 29, 1898	Apr. 26, "
Congress to Amity street.....	26	" ..	Brooklyn Wharf and Warehouse Co.....	Apr. 27, 1899	May 1, "
Slip at Elizabeth street	15 to 18	"	Divine Burtis.....	Mar. 13, "	Mar. 16, "
South Fifth street.....	35 to 40	"	Degnan-McLean Co.	July 6, "	July 20, "
Washington to Main street.....	15	"	Union Ferry Co.....	Apr. 12, "	Apr. 15, "
Sackett street.....	11 to 15	Order.....	"	" 28, "	" 29, "
Pier at North Twelfth street.....	10 to 15	Permit	Standard Oil Co.....	Oct. 16, "	Oct. 21, "
Whale Creek, Newtown.....	12	"	"	July 5, "	July 6, "
"	8 to 12	"	James D. Leary.....	June 27, "	" 1, "
BOROUGH OF QUEENS.					
Whale Creek, Newtown.....	8 to 12	Permit	James D. Leary.....	June 27, 1899	June 30, 1899
Greenpoint avenue, Newtown.....	10 to 17	"	"	" 27, "	July 14, "
Flushing.....	4	"	D. S. Jones & Co.....	Nov. 2, "	Nov. 4, "

Work Supervised.

WORK SUPERVISED.

WORK DONE, OTHER THAN DREDGING, BY ALLEGED OWNERS AND LESSEES OF PIERS AND OTHERS, BY ORDER OR UNDER PERMIT OF THE BOARD OF DOCKS, AND UNDER THE SUPERVISION OF THE ENGINEER-IN-CHIEF.

NORTH RIVER.*Various Places on North River.*

Secretary's Order No. 18867.—Reels of wire were landed at various places by the Merritt and Chapman Derrick and Wrecking Company. Begun January 1 and finished June 30, 1899.

Pier, new 1, N. R.

Secretary's Order No. 19169. —A cluster of broken fender piles at the southerly corner of the pier was renewed by the lessee. Begun May 31 and finished June 1, 1899.

Secretary's Order No. 19184.—Alterations were made to the offices on the pier by the lessee. Begun May 10 and finished July 15, 1899.

Secretary's Order No. 19293.—Replacing one oak pile on outer end of pier. Begun and finished July 5, 1899.

Secretary's Order No. 19424.—Repairs were made to the pier where damaged by the Steamship "Ella" of the Munson Line. Begun September 26 and finished September 27, 1899.

Work Supervised.

Pier, old 1, N. R.

Secretary's Order No. 18449.—Repairs were made to the pier by the Pennsylvania Railroad Company. Begun January 1 and finished February 28, 1899.

Secretary's Order No. 18885.—Repairs were made to the pier by the Pennsylvania Railroad Company. Begun March 1 and finished September 1, 1899.

Secretary's Order No. 19450.—Repairs were made to the pier by the Pennsylvania Railroad Company. Begun September 6 and finished December 30, 1899.

Pier, old 2, N. R.

Secretary's Order No. 18449.—Repairs were made to the pier by the Pennsylvania Railroad Company. Begun January 1 and finished February 28, 1899.

Secretary's Order No. 18885.—Repairs were made to the pier by the Pennsylvania Railroad Company. Begun March 1 and finished September 1, 1899.

Secretary's Order No. 19450.—Repairs were made to the pier by the Pennsylvania Railroad Company. Begun September 6 and finished December 30, 1899.

Pier 3, N. R.

Secretary's Order No. 19380.—Repairs were made to pier by the Lehigh Valley Railroad Company. Begun August 8 and finished August 11, 1899.

Pier, old 4, N. R.

Secretary's Order No. 18449.—Repairs were made to the pier by the Pennsylvania Railroad Company. Begun January 1 and finished February 28, 1899.

Secretary's Order No. 18885.—Repairs were made to the pier by the Pennsylvania Railroad Company. Begun March 1 and finished September 1, 1899.

Secretary's Order No. 19450.—Repairs were made to the pier by the Pennsylvania Railroad Company. Begun September 6 and finished December 30, 1899.

Pier, old 6, N. R.

Secretary's Order No. 18426.—Repairs were made to the bulkhead north of the pier by the New York Steam Company. Begun January 1 and finished February 28, 1899.

Secretary's Order No. 19730.—Repairs were made to the fenders on the pier by the New York Steam Company. Begun August 22 and finished August 28, 1899.

Secretary's Order No. 19586.—Repairs were made to the inner end by the New York Steam Company. Begun November 13 and finished November 15, 1899.

Bulkhead south of Pier 6, N. R.

Secretary's Order No. 19564.—Repairs were made to the water-pipe. Begun and finished November 3, 1899.

Pier, old 7, N. R.

Secretary's Order No. 18397.—Repairs were made to the pier by the New York and Baltimore Transportation Co. Begun January 1 and finished February 11, 1899.

Secretary's Order No. 18998.—Corrugated iron was replaced on the office and sides of pier by New York and Baltimore Transportation Company. Begun April 15 and finished May 12, 1899.

Pier 8, N. R.

Secretary's Order No. 18375.—Repairs were made to the pier by the Central Railroad Company of New Jersey. Begun January 1 and finished January 30, 1899.

Secretary's Order No. 18850.—Repairs were made to the pier by the Central Railroad Company of New Jersey. Begun February 11 and finished August 7, 1899.

Work Supervised.

Secretary's Order No. 19381.—Repairs were made to the pier by the Central Railroad Company of New Jersey. Begun August 8 and finished December 30, 1899.

Pier 9, N. R.

Secretary's Order No. 18539.—Repairs were made to the pier by the Cromwell Steamship Company. Begun January 1 and finished April 22, 1899.

Pier 10, N. R.

Secretary's Order No. 18539.—Repairs were made to the pier by the Cromwell Steamship Company. Begun January 1 and finished April 22, 1899.

Secretary's Order No. 19095.—Piles at the pier were renewed by the Metropolitan Steamship Company. Begun May 15 and finished May 29, 1899.

Pier 11, N. R.

Secretary's Order No. 19095.—Piles were renewed by the Metropolitan Steamship Company. Begun May 15 and finished May 29, 1899.

Pier 12, N. R.

Secretary's Order—Repairs were made to the pier by the Central Railroad Company of New Jersey. Begun January 1 and finished January 30, 1899.

Secretary's Order No. 18850.—Repairs were made to the pier by the Central Railroad Company of New Jersey. Begun February 11 and finished August 7, 1899.

Secretary's Order No. 19381.—Repairs were made to the pier by the Central Railroad Company of New Jersey. Begun August 8 and finished December 30, 1899.

Pier, old 13, N. R.

Secretary's Order No. 18375.—Repairs were made to the pier by the Central Railroad Company of New Jersey. Begun January 1 and finished January 30, 1899.

Secretary's Order No. 18704.—Repairs were made to the pier by the Central Railroad Company of New Jersey. Begun January 1 and finished January 21, 1899.

Secretary's Order No. 18850.—Repairs were made to the pier by the Central Railroad Company of New Jersey. Begun February 11 and finished August 7, 1899.

Secretary's Order No. 19381.—Repairs were made to the pier by the Central Railroad Company of New Jersey. Begun August 8 and finished December 30, 1899.

Piers, old 14 and 15, N. R.

Secretary's Order No. 18375.—Repairs were made to the piers by the Central Railroad Company of New Jersey. Begun January 1 and finished January 30, 1899.

Secretary's Order No. 18850.—Repairs were made to the piers by the Central Railroad Company of New Jersey. Begun February 11 and finished August 7, 1899.

Secretary's Order No. 19381.—Repairs were made to the piers by the Central Railroad Company of New Jersey. Begun August 8 and finished December 30, 1899.

Secretary's Order No. 19444.—Repairs were made to the piers by the Central Railroad Company of New Jersey. Begun August 31 and finished September 27, 1899.

Pier, old 16, and Cortlandt Street Ferry, N. R.

Secretary's Order No. 18449.—Repairs were made to the pier and the ferry premises by the Pennsylvania Railroad Company. Begun January 1 and finished February 1, 1899.

Secretary's Order No. 18885.—Repairs were made to the pier and ferry premises by the Pennsylvania Railroad Company. Begun March 1 and finished September 1, 1899.

Secretary's Order No. 19450.—Repairs were made to the pier and ferry premises by the Pennsylvania Railroad Company. Begun September 6 and finished December 30, 1899.

Work Supervised.

Secretary's Order No. 19575.—Service pipe was laid to the pier by the Consolidated Gas Company. Begun November 29 and finished December 6, 1899.

Pier, new 14, N. R.

Secretary's Order No. 18958.—Office was erected on the outer end of pier by the International Navigation Co. Begun April 15 and finished April 29, 1899.

Secretary's Order No. 19459.—Repairs were made to the shed on the bulkhead south of the pier. Begun September 8 and finished October 2, 1889.

Piers, old 25 and 27, N. R.

Secretary's Order No. 18346.—The piers were extended out to the pierhead-line and shed erected on the extensions by the New York Central and Hudson River Railroad Company. Begun January 1 and finished March 3, 1899.

Secretary's Order No. 19415.—A shed is being erected on bulkhead by the New York Central and Hudson River Railroad Company. Begun November 14; in progress.

Secretary's Order No. 19417.—Repairs were made to the fenders on Pier, old 27, by the Old Colony Steamboat Company. Begun August 16 and finished August 24, 1899.

Secretary's Order No. 19468.—A service pipe to Pier, old 27, was placed by the Consolidated Gas Company. Begun September 15 and finished September 22, 1899.

Secretary's Order No. 19588.—The pavement between the piers was repaired. Begun November 17 and finished November 20, 1899.

Pier, new 18, N. R.

Secretary's Order No. 18827.—Erection shed on bulkhead south of pier by the Old Colony Steamboat Company. Begun April 5 and finished October 11, 1899.

Secretary's Order No. 18408.—Repairs were made to pier by the New York, New Haven and Hartford Railroad Company. Begun January 1 and finished February 20, 1899.

Secretary's Order No. 18828.—Erecting shed on inner end of pier by the New York, New Haven and Hartford Railroad Company. Begun April 5 and finished October 11, 1899.

Secretary's Order No. 18834.—Repairs were made to pier by the Old Colony Steamboat Company. Begun February 23 and finished March 3, 1899.

Secretary's Order No. 19517.—Illuminated sign was placed at outer end of pier by the New York, New Haven and Hartford Railroad Company. Begun September 26 and finished September 27, 1899.

Secretary's Order No. 19527.—Service pipe was placed to pier by the Consolidated Gas Company. Begun October 7 and finished October 11, 1899.

Secretary's Order No. 19659.—Repaired fender piles under permit to New York, New Haven and Hartford Railroad Company. Begun December 1 and finished December 9, 1899.

Pier, new 19, N. R.

Secretary's Order No. 18408.—Repairs were made to the pier by the New York, New Haven and Hartford Railroad Company. Begun January 1 and finished February 20, 1899.

Secretary's Order No. 18967.—Cluster of piles were placed on northerly corner of pier by the New York, New Haven and Hartford Railroad Company. Begun April 5 and finished April 17, 1899.

Secretary's Order No. 19517.—Illuminated sign was placed at the outer end of the pier by the New York, New Haven and Hartford Railroad Company. Begun September 26 and finished September 27, 1899.

Secretary's Order No. 19659.—Fender piles were repaired by the New York, New Haven and Hartford Railroad Company. Begun December 1 and finished December 9, 1899.

Work Supervised.

Piers, new 20 and 21, N. R.

Secretary's Order No. 18698.—Catch-basins were placed in pavement under shed by the Erie Railroad Company. Begun January 1 and finished January 3, 1899.

Secretary's Order No. 18716.—Repairs were made to piers and ferry premises by the Erie Railroad Company. Begun January 1 and finished June 19, 1899.

Barclay Street, N. R.

Secretary's Order No. 18482.—Ferry rack on side of Pier, old 25, was repaired and extended to outer end of pier by the Hoboken Ferry Company. Begun January 1 and finished January 3, 1899.

Barclay, Christopher and West Fourteenth Streets, N. R.

Secretary's Order No. 18457.—Repairs were made to ferry premises by the Hoboken Ferry Company. Begun January 1 and finished March 10, 1899.

Secretary's Order No. 18974.—Repairs were made to ferry premises by the Hoboken Ferry Company. Begun April 6 and finished October 6, 1899.

Pier, new 22, N. R.

Secretary's Order No. 18233.—Second story was erected on shed in front of pier by the Baltimore and Ohio Railroad Company. Begun January 1 and finished January 5, 1899.

Pier, new 24, N. R.

Secretary's Order No. 19372.—Repairs were made to shed on pier by the Ben Franklin Transportation Company. Begun August 24 and finished August 29, 1899.

Piers, new 27, 28, 29, and Desbrosses Street, N. R.

Secretary's Order No. 18679.—Repairs were made to piers and ferry premises by the Pennsylvania Railroad Company. Begun April 1 and finished April 29, 1899.

Secretary's Order No. 19526.—Water-pipe was placed to ferry premises at Desbrosses street by the Pennsylvania Railroad Company. Begun October 4 and finished October 12, 1899.

Secretary's Order No. 19597.—Material was removed from the new-made land in front of Pier, new 29, by the Pennsylvania Railroad Company. Begun November 7 and finished November 15, 1899.

Pier, new 31, N. R.

Secretary's Order No. 18941.—Placing light at outer end of pier by the Pennsylvania Railroad Company. Begun July 12 and finished July 13, 1899.

Secretary's Order No. 19009.—Boiling tar on bulkhead in front of pier by the H. W. John Manufacturing Company. Begun April 19 and finished April 29, 1899.

Secretary's Order No. 19166.—Cluster of piles were driven at outer end of pier by the New Jersey Steamboat Company. Begun April 20 and finished May 29, 1899.

Secretary's Order No. 19257.—Erecting shed on pier by the New York Central and Hudson River Railroad Company. Begun November 30 and finished December 30, 1899.

Secretary's Order No. 19328.—Erecting shed on bulkhead north of pier by the New York Central and Hudson River Railroad Company. Begun September 13 and finished December 30, 1899.

Pier, new 32, N. R.

Secretary's Order No. 14740.—Shed was erected on extension to pier by the New Jersey Steamboat Company. Begun January 6 and finished June 3, 1899.

Secretary's Order No. 19148.—Erection of shed on bulkhead south of pier, by the New Jersey Steamboat Company. Begun September 23 and finished December 30, 1899.

Secretary's Order No. 19454.—Platform was built adjoining south side inner end of pier by the New Jersey Steamboat Company. Begun September 18 and finished October 20, 1899.

Work Supervised.*Pier, old 42, N. R.*

Secretary's Order No. 18758.—Derrick, scales and office were placed on inner end of pier by L. E. Muller. Begun January 7 and finished January 17, 1899.

Secretary's Order No. 18763.—Guy-lines were secured to dumping-boards by the New York Telephone Company. Begun February 8 and finished February 11, 1899.

Pier, new 34, N. R.

Secretary's Order No. 18755.—Girders and planking at inner end of pier were renewed by the Pacific Mail Steamship Company. Begun January 2 and finished January 19, 1899.

Secretary's Order No. 19468.—Platform scales were removed from pier to Pier, new 35, by the Ocean Steamship Company of Savannah. Begun September 7 and finished September 19, 1899.

Pier, new 35, N. R.

Secretary's Order No. 18715.—Repairs were made to pier by the Ocean Steamship Company of Savannah. Begun January 4 and finished January 27, 1899.

Pier, new 36, N. R.

Secretary's Order No. 18409.—Repairs were made to pier by the New York, New Haven and Hartford Railroad Company. Begun January 1 and finished February 20, 1899.

Repairs were made to the sewer under Pier by the Department of Sewers.

Secretary's Order No. 18968.—Cluster piles were driven at corner of pier by the New York, New Haven and Hartford Railroad Company. Begun April 18 and finished April 29, 1899.

Secretary's Order No. 19456.—Fenders placed along north side of pier by the New York, New Haven and Hartford Railroad Company. Begun September 8 and finished September 13, 1899.

Piers, new 36 and 37, N. R.

Secretary's Order No. 19197.—Piles were driven around piers by the New York, New Haven and Hartford Railroad Company. Begun June 7 and finished June 15, 1899.

Pier, new 38, N. R.

Secretary's Order No. 19220.—Tar kettles were placed on bulkhead by the Warren-Ehret Company. Begun July 1 and finished July 5, 1899.

Secretary's Order No. 19425.—Gangways were cut in pier by the Southern Pacific Company. Begun August 31 and finished September 13, 1899.

Bulkhead between Piers, new 38 and 39, N. R.

Secretary's Order No. 19480.—Backing-log was repaired by Atlantic Transport Company under order of the Board. Begun December 1 and finished December 11, 1899.

Pier, new 39, N. R.

Secretary's Order No. 18881.—Repairs were made to the pier by the Atlantic Transport Company. Begun April 1 and finished August 28, 1899.

Secretary's Order No. 19280.—Fire extinguisher was tested on bulkhead by the Little Giant Fire Extinguisher Company. Begun and finished June 30, 1899.

Bulkhead between Piers, new 39 and 40, N. R.

Secretary's Order No. 19480.—Backing-log was repaired by the Atlantic Transport Company under order of the Board. Begun December 1 and finished December 11, 1899.

Pier, new 40, N. R.

Secretary's Order No. 18961.—Repairs were made to tenders by the Cunard Steamship Company. Begun May 5 and finished May 8, 1899.

Work Supervised.

Secretary's Order No. 19363.—Repairs were made to pier by the Atlantic Transport Company. Begun July 26 and finished December 30, 1899.

Pier, new 41, N. R.

Secretary's Order No. 18986.—Repairs were made to pier by the Delaware, Lackawanna and Western Railroad Company. Begun April 24 and finished May 2, 1899.

Bulkhead between Piers, new 41 and 42, N. R.

Secretary's Order No. 18910.—Ice bridge was replaced on bulkhead by R. J. Foster. Begun March 11 and finished March 16, 1899.

Secretary's Order No. 18879.—Tunnel structures on bulkhead were removed by the Hudson Tunnel Railway Company. Begun June 12 and finished July 6, 1899.

Secretary's Order No. 19311.—Tunnel structures on bulkhead were removed by the Hudson Tunnel Railway Company. Begun July 7 and finished November 15, 1899.

Secretary's Order No. 19596.—Scales and office on bulkhead were removed by R. J. Foster. Begun November 18 and finished November 25, 1899.

Pier, new 42, N. R.

Secretary's Order No. 19147.—Repairs were made to pier where damaged by the steamer "Barbarossa" by the Compagnie Generale Transatlantique. Begun May 23 and finished May 27, 1899.

Secretary's Order No. 19407.—Carrying pole was erected on easterly line of marginal street by the Mount Morris Electric-light Company. Begun and finished August 23, 1899.

Secretary's Order No. 19603.—Service pipe was placed to pier by the Consolidated Gas Company. Begun and finished November 9, 1899.

Bulkhead between Piers, new 42 and 43, N. R.

Secretary's Order No. 18812.—Fire was built on bulkhead to boil tar by John Hoffmeyer. Begun February 17 and finished February 22, 1899.

Pier, new 43, N. R.

Secretary's Order No. 19037.—Stands were erected and maintained on recreation structures by Nathan Straus. Begun June 3 and finished November 11, 1899.

Piers, new 44 and 45, N. R.

Secretary's Order No. 19193.—Erecting shed on bulkhead between piers by the Clyde Steamship Company. Begun November 1 and finished December 30, 1899.

Secretary's Order No. 19290.—Scales were placed on piers by the Clyde Steamship Company. Begun July 10 and finished December 30, 1899.

Pier, new 45, N. R.

Secretary's Order No. 19309.—Gangways were cut in pier and repairs were made by the Clyde Steamship Company. Begun July 6 and finished December 30, 1899.

Pier, new 46, N. R.

Secretary's Order No. 19163.—Repairs were made to outer end of pier by the Cornell Steamboat Company. Begun and finished May 29, 1899.

Pier, new 47, N. R.

Secretary's Order No. 19710.—Erection of office on pier by the Quebec Steamship Company. Begun December 28 and finished December 30, 1899.

Work Supervised.

Pier, new 48, N. R.

Secretary's Order No. 19045.—Repairs were made to pier by the White Star Line. Begun and finished May 4, 1899.

Bulkheads between Piers, new 48, 49, 50, 51 and 52, N. R.

Sheds were erected on the bulkhead in front of and between piers for the White Star, Wilson and Cunard Steamship companies. Begun January 3 and finished March 31, 1899.

Gansevoort and West Street, N. R.

Secretary's Order No. 18807.—Tracks were placed across marginal street to connect with piers by the New York Central and Hudson River Railroad Company. Begun January 9 and finished June 7, 1899.

Secretary's Order No. 18835.—Change of rails was made by the New York Central and Hudson River Railroad Company. Begun February 6 and finished May 13, 1899.

Secretary's Order No. 19636.—A grooved rail switch was laid on new made land by Adams & Co. Begun November 16 and finished December 23, 1899.

Secretary's Order No. 19654.—Placed oak fender on either side of suction pipe under permit to White Star Line. Begun November 23 and finished November 24, 1899.

Pier, new 49, N. R.

Secretary's Order No. 18841.—Sewer pipe was laid from sewer to connect with pier by H. C. Calkins, Jr. Begun February 6 and finished February 8, 1899.

Pier, new 50, N. R.

Secretary's Order No. 18160.—Pipes were laid across marginal street and under pier by the Western Electric Company. Begun January 1 and finished May 4, 1899.

Secretary's Order No. 19382.—Trap door was cut in the deck of pier by the Western Electric Company. Begun and finished October 10, 1899.

Bloomfield Street, N. R.

Secretary's Order No. 19032.—Water pipes were placed to connect with scows by Messrs. Foster & Mersereau. Begun April 18 and finished April 26, 1899.

West Thirteenth Street, N. R.

Secretary's Order No. 18567.—Repairs were made to the ferry premises by the Pennsylvania Railroad Company. Begun January 1 and finished April 29, 1899.

Secretary's Order No. 19146.—House was erected on pier by the Fire Department. Begun July 8 and finished July 15, 1899.

Bulkhead north of Fourteenth Street, N. R.

Secretary's Order No. 18640.—Repairs were made to the backing-log, fenders, and pavement by the Glasgow Ice Company under order of the Board. Begun December 7, 1898, and finished April 10, 1899.

Eighteenth to Nineteenth Streets, N. R.

The lighter loaded with flagging stones, which capsized in the slip between above premises, was raised, together with its cargo, by George W. Rogers, under order of the Board. Begun September 15 and finished September 19, 1899.

Bulkhead between West Twenty-first and Twenty-second Streets, N. R.

Secretary's Order No. 18802.—Repairs were made to the planking along bulkhead by the estate of Clement C. Moore. Begun and finished January 30, 1899.

Work¹Supervised.

Secretary's Order No. 18901.—Repairs were made to the bulkhead by estate of Clement C. Moore. Begun April 1 and finished April 24, 1899.

Secretary's Order No. 18947.—Ice bridge, scales, etc., were placed on the bulkhead by the Consolidated Ice Company. Begun April 1 and finished April 24, 1899.

Secretary's Order No. 19412.—Two piles were driven along the bulkhead by the Cunard Steamship Company. Begun and finished September 14, 1899.

West Twenty-second Street, N. R.

Secretary's Order No. 19080.—Repairs were made to pier by the Hudson River Line. Begun May 22 and finished May 29, 1899.

Twenty-third Street, N. R.

Secretary's Order No. 18567.—Repairs were made to the ferry premises by the Pennsylvania Railroad Company. Begun January 1 and finished April 29, 1899.

Secretary's Order No. 18678.—Repairs were made to the northerly ferry rack by the Erie Railroad Company. Begun January 1 and finished January 18, 1899.

Secretary's Order No. 18723.—Repairs were made to the ferry premises by the Erie Railroad Company. Begun January 1 and finished June 19, 1899.

Secretary's Order No. 18877.—Tracks across marginal street were replaced by the Metropolitan Street Railway Company. Begun March 3 and finished March 31, 1899.

Secretary's Order No. 18969.—Repairs were made to ferry racks and bridge by the Erie Railroad Company. Begun April 1 and finished April 13, 1899.

Between West Twenty-third and Twenty-fourth Streets, N. R.

Secretary's Order No. 19210.—Chocks were placed at end of tracks by the Metropolitan Street Railway Company. Begun and finished June 19, 1899.

Pier, new 55, N. R.

Secretary's Order No. 19187.—Repaired damage to superstructure caused by Atlas Steamship Company. Begun July 19 and finished September 26, 1899.

Secretary's Order No. 19490.—Stand was erected on outer end of pier by Atlas Steamship Company. Begun September 26 and finished September 28, 1899.

Pier, new 56, N. R.

Secretary's Order No. 18012.—Repairs were made to sewer outlet under pier by the Department of Sewers. Begun May 1 and finished June 30, 1899.

Piers, new 58, 59 and 60, N. R.

Secretary's Order No. 19388.—Water-main in front of piers was repaired by the Department of Water Supply. Begun August 10 and finished August 26, 1899.

Pier, new 58, N. R.

Secretary's Order No. 18966.—Shelter was placed on the bulkhead by the United States Volunteer Signal Corps. Begun and finished April 5, 1899.

Piers, new 39 and 59, N. R.

Secretary's Order No. 18881.—Repairs were made to piers by the Atlantic Transport Company. Begun April 1 and finished August 28, 1899.

Pier, new 59, N. R.

Secretary's Order No. 19249.—Repairs were made to piling in pier by the Occident Dock Company. Begun July 8 and finished July 15, 1899.

Work Supervised.

Dumping Board foot of Thirtieth Street, N. R.

Secretary's Order No. 19465.—Erection of same on north side of pier under permit to Department of Street Cleaning. Begun September 23 and finished October 23, 1899.

Pier, new 61, N. R.

Secretary's Order No. 19593.—Refastening fender piles to outer northerly corner. Begun November 2 and finished November 4, 1899.

Pier, new 62, N. R.

Secretary's Order No. 19594.—Refastening fender piles on the outer southerly corner. Begun November 2 and finished November 4, 1899.

Pier West Thirty-seventh Street, N. R.

Secretary's Order No. 18567.—Repairs were made to the pier by the Pennsylvania Railroad Company. Begun January 1 and finished April 29, 1899.

West Thirty-seventh Street, N. R.

Secretary's Order No. 19520.—Stand was erected on the outer end of pier by the Pennsylvania Railroad Company. Begun September 27 and finished October 3, 1899.

Pier West Thirty-eighth Street, N. R.

Secretary's Order No. 18567.—Repairs were made to the pier by the Pennsylvania Railroad Company. Begun January 1 and finished April 29, 1899.

West Thirty-eighth Street, N. R.

Secretary's Order No. 19438.—Repairs were made to pier by the Pennsylvania Railroad Company. Begun September 12 and finished October 5, 1899.

Bulkhead between West Thirty-eighth and Thirty-ninth Streets, N. R.

Secretary's Order No. 15605.—Repairs were made to the bulkhead, easterly of line of Thirtieth avenue by G. F. & E. C. Swift. Begun January 1 and finished March 3, 1899.

Pier foot of West Fortieth Street, N. R.

Secretary's Order No. 19292.—Repairs were made. Begun July 11 and finished July 17, 1899.

Secretary's Order No. 19649.—Replacing backing-log, also other repairs under permit to Union Stock Yard and Market Company. Begun November 24 and finished November 29, 1899.

Pier foot of West Forty-fourth Street, N. R.

Secretary's Order No. 19410.—Structures were removed therefrom by employees of the Atlantic Transportation Company under order. Begun September 11 and finished November 14, 1899.

Pier foot of Forty-fifth Street, N. R.

Secretary's Order No. 19248.—Repairs were made. Begun July 19 and finished August 14, 1899.

Secretary's Order No. 19430.—Repairs were made to pier by the New York Horse Manure Company. Begun August 30 and finished December 30, 1899.

Bulkhead between Forty-sixth and Forty-seventh Streets, N. R.

Secretary's Order No. 19018.—Thirty-six piles were driven under permit by Hugh Hart, contractor for R. Gordon & Son. Begun April 19 and finished June 26, 1899.

Work Supervised.

Secretary's Order No. 19139.—Coal hoist was erected on bulkhead by Gordon & Sons. Begun May 22 and finished June 30, 1899.

West Forty-seventh Street, N. R.

Secretary's Order No. 19236.—Structures were erected on pier by the Department of Street Cleaning. Begun and finished June 19, 1899.

West Forty-ninth Street, N. R.

Secretary's Order No. 18893.—Repairs were made to the pier by the Erie Railroad Company. Begun March 16 and finished April 21, 1899.

Pier at West Fiftieth Street, N. R.

Secretary's Order No. 19037.—Stands were erected and maintained by Nathan Straus. Begun June 3 and finished November 11, 1899.

West Fiftieth Street, N. R.

Secretary's Order No. 19188.—Experimental lights were placed on pier by the Kitson Heating and Lighting Company. Begun June 1 and finished June 10, 1899.

Secretary's Order No. 19246.—Lights were placed on pier by the Welsbach Company. Begun and finished June 20, 1899.

Fiftieth to Fifty-first Street, N. R.

Secretary's Order No. 19400.—A canal boat, loaded with coal, which sank in the slip between above premises was raised, together with its cargo, by Pocohontas Coal Company, under order of the Board. Commenced and finished August 15, 1899.

Pier foot of West Fifty-first Street, N. R.

Secretary's Order No. 19318.—A public bath was removed, under permit, by employees of the Department of Public Buildings, Lighting and Supplies, from West Fiftieth Street Pier to West Fifty-first Street Pier. Begun July 15 and finished July 17, 1899.

Pier foot of Fifty-fourth Street, N. R.

Secretary's Order No. 19007.—Repairs were made to the sheathing, one horizontal chock was refastened, and about 20 feet of backing-log renewed, under order, by employees of the Consolidated Canal and Lake Company. Begun May 4 and finished May 16, 1899.

Bulkhead between Fifty-fourth and Fifty-fifth Streets, N. R.

Secretary's Order No. 14511.—Shed was constructed and flat rails were placed by Messrs. Mott and was completed in 1896.

Bulkhead between Seventy-sixth and Seventy-seventh Streets, N. R.

Secretary's Order No. 17020.—Sixteen half-round fenders were renewed, under order, by employees of the Park Department. Begun June 3 and finished July 1, 1899.

Pier foot of West Seventy-ninth Street, N. R.

Secretary's Order No. 19087.—Cable house was placed on southerly inner end of pier Begun June 8 and finished October 16, 1899.

Bulkhead at West Eightieth Street, N. R.

Secretary's Order No. 19578.—Paving in rear of same. Begun November 2 and finished November 15, 1899.

Work Supervised.

Paving at West Eighty-first Street, N. R.

Secretary's Order No. 19574.—Paving was made in rear of bulkhead 103 feet southerly from centre line of street. Begun November 2 and finished November 21, 1899.

Bulkhead between Ninety-fifth and Ninety-sixth Streets, N. R.

Secretary's Order No. 19612.—Repairs were made to pile platform, under permit to John P. Kane Company. Begun November 8 and finished November 22, 1899.

West One Hundredth Street, N. R.

Secretary's Order No. 19204.—Fenders were replaced along bulkhead by the Standard Oil Company. Begun and finished June 17, 1899.

One Hundred and Second Street, N. R.

Secretary's Order No. 18570.—A boat-house was erected, under permit, and in accord with plans, by Jennings & Welstead, contractors, for the Bloomingdale Boat Club. Begun November 10, 1898, and finished March 29, 1899.

Bulkhead between One Hundred and Twenty-fifth and One Hundred and Twenty-seventh Streets, N. R.

Secretary's Order No. 18823.—Erection of cement house, tool house, blacksmith's shop and derrick. Begun January 30 and finished July 17, 1899.

Pier at One Hundred and Twenty-ninth Street, N. R.

Secretary's Order No. 18825.—Repairs were made, under order, at the outer northerly corner by Rolf & Gildersleeve, contractors, for the Riverside and Fort Lee Ferry Company, and consisted of renewing 12 pieces of vertical and 1 piece of horizontal sheathing, and one spring pile was renewed and five refastened. Begun March 8 and finished March 30, 1899.

Secretary's Order No. 19240.—Cleats were placed at the outer end of pier by the Central Hudson Steamboat Company. Begun July 7 and finished July 8, 1899.

Secretary's Order No. 19653.—Placing stove in waiting-room, under permit to Central Steamboat Company. Begun and finished November 23, 1899.

Ferry at One Hundred and Thirtieth Street, N. R.

Secretary's Order No. 18952.—Piles were replaced at entrance to ferry slip by Gildersleeve & Rolf, contractors, for the Riverside and Fort Lee Ferry Company, under permit. Begun March 28 and finished April 17, 1899.

Riverside and Fort Lee Ferry Company, N. R.

Secretary's Order No. 19118.—Closets were repaired and placed in a sanitary condition. Begun May 22 and finished December 28, 1899.

Pier foot of One Hundred and Thirty-first Street, N. R.

Secretary's Order No. 19127.—A steel dump was removed, under order, by Augustus Smith, contractor, for the Department of Street Cleaning. Begun June 19 and finished July 15, 1899.

Pier foot of One Hundred and Thirty-third Street, N. R.

Secretary's Order No. 19326.—A dump was erected, under permit, by employees of M. B. Martin. Begun July 12 and finished August 11, 1899.

Pier at West One Hundred and Thirty-fourth Street, N. R.

Secretary's Order No. 18792.—Removal of derrick and dumping-board was made. Begun January 26 and finished May 1, 1899.

Work Supervised.

One Hundred and Thirty-second Street, N. R.

Secretary's Order No. 18865.—The material which capsized from the lighter "Kinsua," at the northerly side of the pier, was raised and removed, so far as it was possible to do so, by the New York, Lake Erie and Western Railroad Company, under order of the Board. Begun February 21 and finished March 9, 1899.

One Hundred and Fifty-fifth Street, N. R.

Secretary's Order No. 19137.—A boat-house was located along the northerly side of above premises by William P. Durando, under permit of the Board. Begun May 15 and finished May 23, 1899.

Work Done by Pennsylvania R. R. at Various Places.

Secretary's Order No. 19085.—Piers, new 27, 28, 29, 67 and 68, North river, Desbrosses, Thirteenth and Twenty-third street stations, piers at North Fourth and North Fifth streets, Williamsburg, and Annex at Fulton street, Brooklyn.

Secretary's Order No. 19085.—At Piers, new 27, 28 and 29 repairs were made to the sheathing and fender piles.

Secretary's Order No. 19085.—At Pier, new 68, North river—Horizontal and vertical docks were renewed and repaired on the southerly side of pier.

Secretary's Order No. 19085.—At station at Thirteenth street, North river—Repairs were made to the sheathing on bridge.

Secretary's Order No. 19085.—At station at Desbrosses street, North river—Repairs were made to the bridge and ferry-rack.

Secretary's Order No. 19085.—At Pier at North Fifth street, Williamsburg—Repairs were made to the sheathing.

Secretary's Order No. 19085.—At Annex at Fulton street, Brooklyn—The southerly rack was rebuilt, and the northerly rack was repaired.

Secretary's Order No. 19085.—There were no repairs made to Pier, new 67, North river, station at Twenty-third street, North river, and Pier at North Fourth street, Williamsburg.

All work was done, under permit, by employees of the Pennsylvania Railroad Company. Begun May 11 and finished November 10, 1899.

EAST RIVER.*Pier 4, E. R.*

Secretary's Order No. 19005.—Repairs were made to the top sheathing, under order, by employees of E. A. Cruikshank & Co. Begun May 5 and finished May 19, 1899.

Secretary's Order No. 19493.—Repairs were made to pier by New York Central and Hudson River Railroad Company, under permit of Board. Begun September 22 and finished September 28, 1899.

Pier, old 6, E. R.

Secretary's Order No. 18631.—Repairs were made to the deck sheathing on the pier by the New York Central and Hudson River Railroad Company, under permit of Board. Begun December 12, 1898, and finished June 1, 1899.

Pier, new 6, E. R.

Secretary's Order No. 18921.—A derrick was replaced on the upper side of pier, under permit, by employees of the Western Transit Company. Begun and finished May 7, 1899.

Work Supervised.

Pier, new 7, E. R.

Secretary's Order No. 19351.—Repairs were made to the deck sheathing, etc., on the pier ; also the shed on pier was repaired by Erie Railroad Company, under permit of Board. Begun August 9 and finished August 18, 1899.

Pier 8, E. R.

Secretary's Order No. 18717.—Repairs were made to the sheathing, chocking, backing-log and fenders, under permit, by the employees of the Erie Railroad Company. Begun January 3 and finished June 19, 1899.

Pier 10, E. R.

Secretary's Order No. 18971.—Repairs were made to the pier by J. Vidal, under permit of Board. Work begun April 10 and finished April 12, 1899.

Secretary's Order No. 19202.—Three fender-piles were driven at each corner of outer end of pier and 4 piles along south side ; also 12 feet of backing-log was removed at outer end by Cape May and Delaware Bay Navigation Company, under permit of Board. Begun June 15 and finished June 16, 1899.

Between Piers 12 and 13, E. R.

Secretary's Order No. 19403.—Repairs were made to pavement on bulkhead by Messrs. E. A. Cruikshank & Co., under direction of Board. Begun August 19 and finished October 22, 1899.

Pier 13, E. R.

Secretary's Order No. 18914.—The pier was extended and altered ; also a shed was placed thereon by the owners, under permit of Board. Begun June 20 and finished October 30, 1899.

Between Piers 13 and 14, E. R.

Secretary's Order No. 19404.—Repairs were made to pavement on bulkhead by William Cruikshank's Sons, upon direction by Board. Begun August 19 and finished November 21, 1899.

Secretary's Order No. 19495.—Nine fender-piles were driven close together along face of bulkhead, 20 feet north of Pier 13, East river, extending 7 feet above top of backing-log, by Montauk Steamboat Company, under permit of Board. Begun and finished September 25, 1899.

Bulkhead Easterly of Pier 14, E. R.

Secretary's Order No. 18530.—The pavement was taken up and relaid, under order, for a space of about 10 feet by 60 feet, by owners. Begun October 31, 1898, and finished January 3, 1899.

Pier 15, E. R.

Secretary's Order No. 19190.—20 spring piles were driven at the pier by Long Island Railroad Company, under permit of Board. Begun June 6 and finished June 9, 1899.

Secretary's Order No. 19387.—Repairs were made to plank approach to pier, also to adjoining pavement, by John F. Doyle & Sons, under permit of the Board. Begun August 12 and finished August 22, 1899.

Secretary's Order No. 19661.—Half a dozen piles were driven on southerly side, under permit to Maine Steamship Company. Begun and finished November 25, 1899.

Bulkhead South of Pier 17, E. R.

Secretary's Order No. 19681.—Repairs were made to granite pavement where damaged by wash-out. Work was done by lessees, James E. Ward & Co. Begun and finished December 1, 1899.

Pier 18, E. R.

Secretary's Order No. 18782.—Repairs were made to westerly side of shed on the pier by R. E. Ferris, agent, upon notification by Board. Begun January 20 and finished March 24, 1899.

Work Supervised.

Pier 19, E. R.

A portable structure, 7 by 25 feet, was erected at south side of pier ; also a gangway was cut in bulkhead, at this location, by T. C. Hornbeck, under permit of Board. Begun March 14 and finished March 24, 1899.

Pier 22, E. R.

Secretary's Order No. 19424.—The sheathing on pier was renewed, excepting where under sheds, 4-inch yellow pine being used. Work was done by Fulton Market Fishmongers' Association, under permit of Board. Begun August 29 and finished September 15, 1899.

Pier 23, E. R. (outer end).

Secretary's Order No. 18997.—About 55 feet of the outer end of the pier was rebuilt under permit in accordance with the specifications filed by the Fulton Market Fishmongers' Association. Begun April 17 and finished May 17, 1899.

Pier 24, E. R.

Secretary's Order No. 18752.—Repairs were made to roof of shed on pier by Hartford and New York Transportation Company. Begun January 20 and finished February 1, 1899.

Secretary's Order No. 19377.—Eight oak fender piles at south side of pier were removed and new ones driven by Hartford and New York Transportation Company under permit of Board. Begun August 5 and finished August 15, 1899.

Piers 25 and 26, E. R.

Secretary's Order No. 19131.—Three bearing piles and 7 fender piles were driven at Pier 25, East river. Also the pier was blocked up 9 inches over crib. At the south side of Pier 26, East river, 1 spring pile was driven. Work was done by New Haven Steamboat Company under permit of Board. Begun May 13 and finished June 1, 1899.

Pier 27, E. R.

Secretary's Order No. 19672.—Southerly side was repaired under permit to Baltimore and Ohio Railroad Company. Begun December 1 and finished December 13, 1899.

Between Piers 27 and 28, E. R.

Secretary's Order No. 19688.—Repairs were made to stop-cock on water-main between above piers by J. J. McCabe under permit. Begun and finished December 8, 1899.

Pier, old 29, E. R.

Secretary's Order No. 18791.—Repairs were made to the pier by W. P. Clyde & Co. under permit of Board. Begun January 11 and finished January 25, 1899.

Pier 35, E. R.

Secretary's Order No. 19329.—The fog bell used by Catharine Street Ferry was replaced on south side of pier by Union Ferry Company under permit of Board. Begun July 31 and finished August 26, 1899.

Catharine Street, E. R.

Secretary's Order No. 19004.—Re-enforcement piles were driven under permit between the vents for new ferry rack by the Union Ferry Company. Begun April 10 and finished July 19, 1899.

Pier 39, E. R.

Secretary's Order No. 19359.—Twelve piles were driven at the pier by Bridgeport Steamboat Company under permit of the Board. Begun July 24 and finished July 31, 1899.

Work Supervised.

Pier 40, E. R.

Secretary's Order No. 18410.—Repairs were made under permit to the sheathing, backing-log, fender piles and spring piles by the New York, New Haven and Hartford Railroad Company. Begun August 22, 1898, and finished February 18, 1899.

Secretary's Order No. 19389.—Fender piles were driven about the pier by the New York, New Haven and Hartford Railroad under permit of Board. Nine oak fender piles and 3 spruce piles were driven. Begun August 10 and finished August 19, 1899.

Piers 51 and 52, E. R.

Secretary's Order No. 18764.—Repairs were made to deck sheathing on above piers by New York, New Haven and Hartford Railroad Company under permit of Board. Begun January 16 and finished January 23, 1899.

Platform near foot of Jackson Street, E. R.

Secretary's Order No. 19487.—Repairs were made to platform, where damaged, by New York Central and Hudson River Railroad under permit of Board. Begun September 23 and finished September 28, 1899.

Jackson Street, E. R.

Secretary's Order No. 19303.—A bath extending from a point about 250 feet east of Jackson street, and running thence north about 100 feet, was placed by James Monahan under permit of Board. Begun July 6 and finished July 12, 1899.

Secretary's Order No. 19610.—The dredge which sank at above premises was raised and removed by the Estate of J. H. Fenner under order of the Board. Begun and finished November 16, 1899.

Pier 55, E. R.

Secretary Order No. 18120.—A house was erected under permit by the Fire Department for the accommodation of the men on the fire-boat. Begun March 17 and finished April 18, 1899.

Secretary's Order No. 18701.—A small building was erected for use of fire-boat "Robert A. Van Wyck" by Fire Department under permit of Board. Begun March 6 and finished March 30, 1899.

Pier, old 56, near foot of Broome Street, E. R.

Secretary's Order No. 19223.—A freight shed was erected at outer end of pier by I. C. Dieffenbach, Captain of steamer "Northport," under permit of Board. Work begun April 17 and finished April 19, 1899. Also alterations were made to conform with directions of Engineer-in-Chief on July 28, 1899. Dimensions of shed, 20 by 15 feet.

East Street, near foot of Delancey Street, E. R.

Secretary's Order No. 17284.—A fence was erected on curb-line at easterly side of East street, near foot of Delancey street, East river, between north and south lines of new East River Bridge property; also such temporary platforms, offices and sheds as were necessary outside of the bulkhead, by P. H. Flynn, for the New East River Bridge Commission, under permit of Board. Work begun June 3, 1897, and removal of sheds and fences, to which this order applied, was effected during April, 1899.

Foot of Delancey Street, E. R.

Secretary's Order No. 17855.—Stone removed from the caissons and placed about the towers in construction of foundations of New York and East River Bridge, under permit of Board, was removed by P. H. Flynn. Work about southerly caisson begun March 7, 1898. Removal of deposit of stone about both towers begun April 3 and completed April 13, 1899.

Work Supervised.

Between Piers 58 and 59, E. R.

Secretary's Order No. 19470.—20 fender piles were driven along bulkhead and chocked by Burns Bros. under permit of Board. Begun September 14 and finished September 16, 1899.

Pier 62, E. R.

Secretary's Order No. 19173.—Repairs were made to southerly half of pier, in conjunction with repairs to northerly half by this Department, by James Shewan & Son, lessees, under direction of Board. Begun September 7 and finished September 19, 1899.

Secretary's Order No. 19656.—Repairs were made to the sheathing by employees of James Shewan & Son under order. Begun November 24 and finished December 13, 1899.

Between Houston and Stanton Streets, E. R.

Secretary's Order No. 18586.—A coal hoisting mast and gaff were erected on bulkhead by Hencken & Willenbrock under permit of the Board. Begun November 12, 1898, and finished January 9, 1899.

Secretary's Order No. 19426.—Repairs were made to pier by J. Rayner under permit of Board. Begun August 29 and finished August 30, 1899.

Foot of East Houston Street, E. R.

Secretary's Order No. 19271.—Repairs were made to ferry rack by Nassau Ferry Company under permit of Board. Begun July 15 and finished August 2, 1899.

East Third to Fourth Street, E. R.

Secretary's Order No. 19385.—A scow (known as No. 60) loaded with sand, which capsized in the slip between above premises was raised, together with its cargo, by Mark Goodwin, under order of the Board. Begun and finished August 12, 1899.

Pier foot of Fourth Street, E. R.

Secretary's Order No. 19175.—Repairs were made to northerly half of pier by James Shewan & Son, lessees, under direction of Board. Begun September 15 and finished September 19, 1899.

Secretary's Order No. 19273.—An office and tool-house were erected at north side of pier by James Shewan & Sons under permit of Board. Begun July 15 and finished August 2, 1899.

Pier foot of Sixth Street, E. R.

Secretary's Order No. 18665.—Repairs were made to the pier by W. H. Webb under permit of Board. Begun May 20 and finished July 7, 1899.

Foot of Tenth Street, E. R.

Secretary's Order No. 18627.—The capacity of the waiting room at foot of above street was enlarged by Brooklyn Ferry Company under permit of Board. Begun December 9, 1898, and finished August 9, 1899.

Pier foot of Eleventh Street, E. R.

Secretary's Order No. 19253.—This order called for superintending removal of ice bridges, scales and tally house from pier; John N. Briggs, permittee, notified to remove them; also the placing of a backing-log on northerly side of pier by this Department, as requested by John M. Scribner, attorney for James Affleck, executor, George Law's estate. By direction of Engineer-in-Chief this order was returned August 9, 1899. The preliminary work of placing backing-log was begun June 23, 1899, but not completed. The removal of timber sent for framing backing-log was effected August 10, 1899.

Work Supervised.

Foot of East Eleventh and Twelfth Streets, E. R.

Secretary's Order No. 18981.—Repairs were made to piers between above streets by New York Mutual Gas-light Company under permit of Board. Begun April 14 and finished May 9, 1899.

Pier foot of Thirteenth Street, E. R.

Secretary's Order No. 18902.—Eight oak-fender piles were driven and fastened at outer end of pier by Quintard Iron Works under permit of Board. Begun March 15 and finished March 22, 1899.

Between Nineteenth and Twentieth Streets, E. R.

Secretary's Order No. 18772.—A sunken canal boat was removed from slip between above streets by Lehigh Valley Coal and Navigation Company, upon notification from Board. Begun January 12 and finished January 14, 1899.

Foot of Twentieth Street, E. R.

Secretary's Order No. 18667.—Two reels of wire were landed on the bulkhead at the foot of above street by the Merritt & Chapman Derrick and Wrecking Company under permit of Board. Begun and finished November 29, 1899.

Pier Foot of Twenty-third Street, E. R.

Secretary's Order No. 18929.—The inshore end of pier was closed by the Brooklyn Ferry Company of New York, under permit of Board, to enable them to alter the structures. Begun March 31 and finished April 1, 1899.

Between Twenty-third and Twenty-fourth Streets, E. R.

Secretary's Order No. 19289.—The ferry structures are being removed outshore by Brooklyn Ferry Company of New York. Begun June 28, 1899; in progress.

Foot of Twenty-eighth Street, E. R.

Secretary's Order No. 18667.—Two reels of wire were landed on bulkhead by Merritt & Chapman Derrick and Wrecking Company under permit of Board, May 30, 1899; also two reels were landed on September 8, 1899.

Pier foot of Twenty-eighth Street, E. R.

Secretary's Order No. 19392.—A portable engine was placed on pier by Richard Fitzpatrick under permit of Board. Begun and finished August 7, 1899.

Foot of Thirty-sixth Street, E. R.

Secretary's Order No. 19485.—The bulkhead was pierced with a sewer by Department of Sewers under permit of Board. Begun October 18 and finished December 6, 1899.

Bulkhead between Forty-fourth and Forty-fifth Streets, E. R.

Secretary's Order No. 19196.—Repairs were made to the bulkhead, where damaged, by the New York Central and Hudson River Railroad under permit of Board. Begun June 15 and finished June 18, 1899.

Foot of Fifty-fourth Street, E. R.

Secretary's Order No. 18922.—A canal boat owned by the Delaware and Hudson Canal Company, which sank at above street, was removed by said company upon notification by this Department. Begun March 18 and finished March 20, 1899.

Work Supervised.

Between Fifty-fourth and Fifty-fifth Streets, E. R.

Secretary's Order No. 19167.—The fender rack around pipes projecting from face of bulkhead was repaired by Consumer's Brewing Company, under permit of Board. Begun May 31 and finished June 5, 1899.

Between Fifty-eighth and Fifty-ninth Streets, E. R.

Secretary's Order No. 19332.—This order called for superintending placing a float by E. A. Hartog, under permit of Board. E. A. Hartog notified Department that he would not avail himself of permit. Order returned August 5, 1899.

Between Fifty-ninth and Sixtieth Streets, E. R.

Secretary's Order No. 19308.—A steel ash-bin, 25 by 17 by 46 feet high, was erected on bulkhead by New York Steam Company, under permit of Board. Begun July 17 and finished November 24, 1899.

Pier Foot of Sixtieth Street, E. R.

Secretary's Order No. 19374.—This order calls for superintending erection of dumping-board at south side of pier. Permit to Brown & Fleming. Not begun.

Foot Sixty-third Street, E. R.

Secretary's Order No. 19486.—The bulkhead was pierced and overflow sewer placed by Department of Sewers, under permit of Board. Begun November 25 and finished December 23, 1899.

Between Sixty-third and Sixty-fourth Streets, E. R.

Secretary's Order No. 18761.—Repairs were made to bulkhead by Neidlinger & Son, under permit of Board. Begun January 17 and finished March 11, 1899.

Foot of Sixty-fourth Street, E. R.

Secretary's Order 19224.—Two reels of wire were landed at bulkhead by Merritt & Chapman Derrick and Wrecking Company, under permit of Board. Begun and finished June 14, 1899.

Secretary's Order No. 19260.—Two reels of wire were landed at bulkhead by Merritt & Chapman Derrick and Wrecking Company, under permit of Board. Begun and finished June 20, 1899.

Foot of Sixty-eighth Street, E. R.

Secretary's Order No. 19502.—A 20-inch tile sewer-pipe was run across Exterior street to the river by Central Brewing Company, under permit of Board. Begun October 2 and finished November 28, 1899.

Between Seventy-eighth and Seventy-ninth Streets, E. R.

Secretary's Order No. 18702.—Repairs were made to bulkhead platform by Consolidated Ice Company, upon notification by Board. Begun May 1 and finished May 15, 1899.

Secretary's Order No. 19433.—Repairs were made to bulkhead by Consolidated Ice Company, under direction of Board. Begun October 2 and finished October 5, 1899.

Between Eighty-first and Eighty-second Streets, E. R.

Secretary's Order No. 18580.—Order called for superintending extension of platform, by D. Brinkman, under permit of Board. The work accomplished was the extension of filling from edge of old embankment out to rear of platform. Begun June 10 and finished August 3, 1899.

Between Eighty-second and Eighty-third Streets, E. R.

Secretary's Order No. 19108.—A platform was erected by G. Knoche, under permit of Board. Begun June 14 and finished June 28, 1899.

Work Supervised.

Foot of Eighty-fourth Street, E. R.

Secretary's Order No. 19168.—A 3-inch pipe was run into the East river for pumping water to baths, by Moffert & Burns, under permit of Board. Begun June 1 and finished June 3, 1899.

Upper Pier foot of Eighty-sixth Street, E. R.

Secretary's Order No. 18858.—A canal boat which sank at the northerly side of upper Pier at foot of Eighty-sixth street, East river, was removed by Daniel McWilliams upon notification by Board. Begun March 16 and finished March 27, 1899.

Pier at Eighty-sixth Street, E. R.

Secretary's Order No. 19042.—A hoisting mast was erected under permit by employees of M. Biglin. Begun and finished May 20, 1899.

Pier foot of Ninety-first Street, E. R.

Secretary's Order No. 18821.—Repairs were made to deck sheathing and chocks on pier by Consolidated Ice Company upon notification by Board. Begun May 17 and finished May 26, 1899.

Secretary's Order No. 19625.—Repairs were made to the pier by Consolidated Ice Company, lessees, under direction of Board. Begun November 22 and finished December 9, 1899.

Foot of Ninety-second Street, E. R.

Secretary's Order No. 18528.—An extension was made to ferry rack by New York and East River Ferry Company, under permit of Board. Begun January 26 and finished March 3, 1899.

Secretary's Order No. 19254.—A crib about 20 feet square was placed at south side of southerly ferry rack by New York and East River Ferry Company, under permit of the Board. Begun October 18 and finished October 30, 1899.

Pier foot of Ninety-fourth Street, E. R.

Secretary's Order No. 18609.—Repairs were made, under order, to the sheathing on the northerly side of pier by employees of Hencken & Co., lessees. Begun December 6, 1898, and finished January 19, 1899.

Secretary's Order No. 19153.—Repairs were made to outer end of pier by Hencken & Co., under direction of Board. Begun August 5 and finished September 20, 1899.

Secretary's Order No. 19519.—Temporary coal bins were placed on northerly side of pier by Hencken & Willenbrock, under permit of Board. Begun October 4 and finished November 4, 1899.

Between Ninety-fourth and Ninety-fifth Streets, E. R.

Secretary's Order No. 18857.—An extension of 25 feet was made to the dumping-board by A. H. Hastorf, under permit of Board. Begun April 3 and finished April 22, 1899.

Between Ninety-fifth and Ninety-sixth Streets, E. R.

Secretary's Order No. 18460.—Caissons, discharge and suction pipes, etc., were placed at marginal street by Metropolitan Street Railway Company, under permit of Board. Begun July 8 and finished August 4, 1899.

Secretary's Order No. 18538.—A coal tower and ash pockets are being erected by the Metropolitan Street Railway Company, under permit of Board. Begun July 6, 1899; in progress.

Pier foot of Ninety-sixth Street, E. R.

Secretary's Order No. 18707.—A small building for use of fire-boat "William F. Have-meyer" was erected on pier by Fire Department, under permit of Board. Begun March 12 and finished March 29, 1899.

Work [Supervised.

Foot of Ninety-sixth Street, E. R.

Secretary's Order No. 19185.—A subway flush-box was placed on north side of foot of Ninety-sixth street by Fire Department, under permit of the Board. Begun July 31 and finished August 15, 1899.

Foot of Ninety-ninth Street, E. R.

Secretary's Order No. 17797.—This order calls for superintending transferring of slips of New York and College Point Ferry Company. Work was begun June 3, 1898, and finished, as far as transferring slips was concerned, on December 11, 1899. Further work will be done under this order in the erection of ferry buildings, plans of which are to be submitted and approved before beginning the work.

Foot of One Hundred and Eighth Street, H. R.

Secretary's Order No. 19354.—A temporary wooden approach was built in rear of bulkhead-wall by R. Bunke, under permit of Board. Begun July 19 and finished July 22, 1899.

Pier Foot of One Hundred and Tenth Street, H. R.

Secretary's Order No. 19180.—Repairs were made to northerly half of pier by Kane & Wright, lessees, under direction of Board. The work was done in conjunction with repairs to southerly half by this Department. Begun July 19 and finished September 23, 1899.

Bulkhead between One Hundred and Eleventh and One Hundred and Twelfth Streets, H. R.

Secretary's Order No. 17135.—The bulkhead was rebuilt under order by owners and occupants. Begun May 1 and finished May 13, 1899.

Between One Hundred and Eleventh and Hundred and Twelfth Streets, H. R.

Secretary's Order No. 18969.—Repairs were made to bulkhead by New York, New Haven and Hartford Railroad Company, under permit of Board. Begun April 18 and finished May 9, 1899.

Pier foot of One Hundred and Nineteenth Street, H. R.

Secretary's Order No. 18286.—This order called for superintending removal of ice bridge, scales and tally-house from pier by W. M. Montgomery & Co., the former permittees, under direction of Board. Upon failure of said company to do the work the order was returned June 9, 1899.

North of East One Hundred and Twenty-fifth Street, H. R.

Secretary's Order No. 18838.—Clumps of piles were renewed in front of timber basin by the Yellow Pine Company, under permit of Board. Begun March 20 and finished March 31, 1899.

Foot of One Hundred and Twenty-sixth Street, H. R.

Secretary's Order No. 18849.—A temporary pile platform was erected at south of old pier by Mary A. P. Draper, under permit of the Board. Begun March 31 and finished April 21, 1899.

Pier foot of One Hundred and Twenty-eighth Street, H. R.

Secretary's Order No. 19259.—Repairs were made to outer end of pier by Armour & Co., under permit of Board. Begun and finished July 5, 1899.

Boat-house foot of Lexington Avenue, H. R.

Secretary's Order No. 18232.—Repairs were made to roof and lining of boat-house by William Oliver, under permit. Begun April 24 and finished May 19, 1899.

Work Supervised.

One Hundred and Thirty-second Street, H. R.

Secretary's Order No. 19686.—Thirty-two piles were driven and capped on the site of the Crescent Rowing Club boat-house under permit to the Crescent Rowing Club. Begun December 13 and finished December 23, 1899.

Between One Hundred and Thirty-sixth and One Hundred and Thirty-seventh Streets, on the East side of Mott Haven Canal.

Secretary's Order No. 19036.—About sixty close piles were driven and iron bracing placed on front of bulkhead, and repairs were made to the backing-log, under permit, by G. Robitzek & Bro. Begun May 9 and finished May 20, 1899.

One Hundred and Thirty-second Street, Park Avenue, H. R.

Secretary's Order No. 19632.—Filling is being deposited along the water front in this vicinity by Frank Bulkley, under permit of the board. Begun December 15, 1899; in progress.

One Hundred and Thirty-eighth Street, West of Girard Avenue, H. R.

Secretary's Order No. 16322.—Filling is being deposited in this vicinity on the easterly side of Harlem river, by Jordan L. Mott, under permit of the Board. Begun November 29, 1895; in progress.

One Hundred and Forty-fourth Street, Easterly side of H. R.

Secretary's Order No. 15598.—Filling is being deposited in this vicinity, by John Cromwell, under permit of the Board. Begun November 11, 1895; in progress.

One Hundred and Forty-ninth Street, Lenox Avenue, H. R.

Secretary's Order No. 19330.—Piles were driven around the foundation of the boat-house thereat, by Dauntless Rowing Club, under permit of the Board. Begun October 3 and finished October 7, 1899.

One Hundred and Forty-seventh to One Hundred and Fiftieth Street, H. R.

Secretary's Order No. 17180.—The area from the northerly side of One Hundred and Forty-seventh street to the southerly side of One Hundred and Fiftieth street, and between Lenox and Seventh avenues, is being raised to a grade of about 5 feet above high-water mark, by John D. Crimmins, under permit of the Board. Begun April 22, 1897; in progress.

One Hundred and Fifty-third Street, H. R.

Secretary's Order No. 18948.—Piles were driven at above premises, to act as a foundation for a boat-house, by Atlanta Boat Club, under permit of the Board. Begun and finished May 3, 1899.

Morris Heights, H. R.

Secretary's Order No. 18937.—Piles were driven at above premises, north of Powell place, by Gas Engine and Power Company and C. L. Seabury Company, Consolidated, under permit of the Board. Begun July 1 and finished July 7, 1899.

Secretary's Order 18579.—The dock at above premises was repaired by Gas Engine and Power Company and C. L. Seabury Company, Consolidated, under permit of the Board. Begun April 15 and finished April 29, 1899.

Fordham Landing, H. R.

Secretary's Order No. 19575.—A pipe is being placed at above premises, running across to the opposite shore, by W. H. Masterson, under permit of the Board. Begun July 29, 1899; in progress.

Work Supervised.

Dyckman Street, Sherman's Creek, H. R.

Secretary's Order No. 19212.—Four piles were driven at above premises, for the purpose of mooring a boat-house thereat, by William P. Durando, under permit of the Board. Begun and finished June 19, 1899.

Two Hundred and First Street, H. R.

Secretary's Order No. 19617.—The work of removing boat-house, float, and runway from above premises, in order to permit the Department of Sewers to proceed with the construction of the sewer thereat, is in progress. Begun November 8, 1899; in progress.

Spuyten Duyvil Creek, H. R.

Secretary's Order No. 19720.—Filling is being deposited in the vicinity of Broadway, and a retaining structure to hold same is being erected thereat, by J. C. Rodgers, under permit of the Board. Begun December 27, 1899; in progress.

Port Morris, E. R.

Secretary's Order No. 19345.—The dock at above premises was repaired by the New York Central and Hudson River Railroad Company, under permit of the Board. Begun July 26 finished October 26, 1899.

One Hundred and Thirty-sixth to One Hundred and Thirty-seventh Street, Mott Haven Canal.

Secretary's Order No. 19378.—A close row of piles were driven at above premises, and the same were capped with 12-inch by 12-inch timbers, by Henry Meyer, under permit of the Board. Begun August 7 and finished August 10, 1899.

Secretary's Order No. 19429.—A coal-hoisting apparatus was erected at above premises, in accordance with plans approved by the Board, by Henry Meyer, under permit of the Board. Begun August 1 and finished August 31, 1899.

One Hundred and Thirty-eighth Street, Rider Avenue, Mott Haven Canal.

Secretary's Order No. 19155.—A coal-hoisting mast was erected at above premises by Robert Stevenson & Son, under permit of the Board. Begun May 25 and finished May 26, 1899.

One Hundred and Thirty-eighth Street, Mott Haven Canal.

Secretary's Order No. 19161.—Six piles were driven and the coal-hoisting mast was replaced at above premises by Tinsley Brothers, under permit of the Board. Begun May 26 and finished May 27, 1899.

Willow Avenue, Bronx Kills.

Secretary's Order No. 15389.—The filling at above premises is being extended, and a rip-rap retaining structure was erected thereat by New York, New Haven and Hartford Railroad Company, under permit of the Board. Begun September 16, 1895; in progress.

Westchester Avenue, B. R.

Secretary's Order No. 17676.—A temporary bridge is being erected across the river at above premises by Department of Street Improvements for the Twenty-third and Twenty-fourth Wards (Department of The Bronx, successor), under permit of the Board. Begun December 13, 1897; in progress.

Foot of Willis Avenue, H. R.

Secretary's Order No. 18980.—Ten oak piles were driven at ferry rack of transfer bridge in Harlem river yards by New York, New Haven and Hartford Railroad Company, under permit of Board. Begun and finished April 14, 1899.

Work Supervised.

Between Second and Willis Avenue Bridges, H. R.

Secretary's Order No. 18938.—Twenty-seven oak fender piles were renewed along bulkhead east side of Harlem river by New York, New Haven and Hartford Railroad Company, under permit of Board. Begun April 4 and finished April 18, 1899.

Pier, South Washington Bridge, H. R.

Secretary's Order No. 18463.—This order called for superintending repairs to pier by estate of W. B. Ogden. A portion of the repairs was made under this order. Begun November 20, 1898, and suspended. This order was superseded by Secretary's Order No. 18814, and was returned January 31, 1899.

Harlem River, south of Washington Bridge.

Secretary's Order No. 18814.—Repairs were made to pile platform by A. H. Green, trustee, estate of William B. Ogden. Begun January 30 and finished February 7, 1899.

Morris Heights, H. R.

Secretary's Order No. 18937.—Two bunches of breasting off piles, 10 in each bunch, were replaced opposite Morris dock platform by New York Launch and Engine Company, under permit of Board. Begun April 19 and finished April 21, 1899.

Secretary's Order No. 19479.—An extension to storage sheds at above location was erected by Gas Engine and Power Company, under permit of Board. Approximate dimensions 50 by 16 by 14 feet high. Begun October 4 and finished October 19, 1899.

Bryant Street, B. R.

Secretary's Order No. 19074.—A boat-house was located at above premises, upon lands belonging to East Bay Land and Improvement Company, by Young Men's Christian Association, under permit of the Board. Begun May 22 and finished May 25, 1899.

Locust Avenue, B. R.

Secretary's Order No. 19084.—Twenty-two piles were driven at above premises, for the purpose of securing the row-boat float erected thereat, by Charles Ray, under permit of the Board. Begun May 18 and finished May 20, 1899.

Oak Point, Leggett's Creek, B. R.

Secretary's Order No. 10938.—Filling is being deposited at above premises and certain other improvements are being made at above premises, by East Bay Land and Improvement Company, under permit of the Board. Begun September 15, 1895 ; in progress.

Cabot Street, E. R.

Secretary's Order No. 19104.—A ferry transfer bridge is being constructed about 300 feet westerly of above premises, in accordance with plans approved, by New York, New Haven and Hartford Railroad Company, under permit of the Board. Begun May 15, 1899 ; in progress.

Clason's Point, E. R.

Secretary's Order No. 19631.—The salt meadows at above premises are being filled in and a pier is to be erected thereat, by Clinton Stephens, under permit of the Board. Begun December 15, 1899 ; in progress.

Pier Foot of Pilot Avenue, City Island.

Secretary's Order No. 19560.—Repairs were made under permit to Henry Piepgras, owner. Begun October 12 and finished October 16, 1899.

Work Supervised.

Pelham Bay Park, City Island.

Secretary's Order No. 18813.—Piles were driven in this vicinity for the purpose of marking out certain work of construction, by John F. O'Rourke, under permit of the Board. Begun February 3 and finished February 9, 1899.

John and Ditmar Streets, City Island.

Secretary's Order No. 18953.—Piles were driven and a runway located in this vicinity, by Harlem Yacht Club, under permit of the Board. Begun May 19 and finished May 29, 1899.

Fort Schuyler Road, Westchester Creek.

Secretary's Order No. 18115.—Repairs were made to the old dock built in 1860 or 1861, on the Seton water grant by Northern Gas Company, under permit of the Board. Begun May 10, 1898, and finished July 23, 1899.

Erie Basin, Borough of Brooklyn.

Secretary's Order No. 19543.—Certain changes and repairs were made to the piers and bulkheads at above premises, in order to fit them for use as a dry dock by the New York Dry Dock and Repair Company, in accordance with plans approved, under permit of the Board. Begun March 15 and finished October 15, 1899.

Recreation Piers, East Side.

Secretary's Order No. 19037.—Water pipes were placed on milk stands on recreation structures by Nathan Straus, under permit of Board. Begun May 13 and finished October 10, 1899.

REPAIRS TO FERRY PREMISES, EAST RIVER AND BOROUGH OF BROOKLYN.

Hamilton, South, Wall, Fulton and Catharine Ferries Premises.

Secretary's Order No. 18587.—The surface of approaches and bridges were patched under permit by employees of the Union Ferry Company of Brooklyn. Begun November 8, 1898, and finished February 8, 1899.

Roosevelt, Grand and East Twenty-third Streets Ferry Premises.

Secretary's Order No. 18556.—Repairs were made under permit to the surfaces of approaches and bridges and to the racks by employees of the Brooklyn Ferry Company of New York. Begun October 31, 1898, and finished February 1, 1899.

Roosevelt, Grand, Tenth, Twenty-third and between Twenty-third and Twenty-fourth Streets, E. R., Manhattan, foot Greenpoint Avenue, Grand Street and from South Sixth to South Ninth Streets, Brooklyn, Ferry Premises.

Secretary's Order No. 18833.—Repairs were made to the surfaces of approaches and bridges by employees of the Brooklyn Ferry Company under permit. Begun February 6 and finished August 4, 1899.

Between East Twenty-third and Twenty-fourth Streets and foot of East Tenth Street, E. R., Ferry Premises.

Secretary's Order No. 18610.—Repairs were made to the surfaces of approaches and bridges and to the racks under permit by employees of the Brooklyn Ferry Company of New York. Begun November 14 and finished February 4, 1899.

Nos. 2, 3 and 4, Borden Avenue, Long Island City, Nos. 2 and 3, foot East Thirty-fourth Street, and James Slip, E. R., Manhattan.

Secretary's Order No. 18540.—Gallows frames were constructed under permit by Theodore Smith & Bros., contractors for the Long Island Railroad Company. Begun November 7 and finished April 4, 1899.

Work Supervised.

BOROUGH OF BROOKLYN.

Secretary's Order No. 19287.—Walk at Sea Gate, Coney Island—Being built at the Atlantic Yacht Club House under permit to Atlantic Yacht Club, J. & F. Kelly, contractors. Begun June 29, 1899; in progress.

Bulkhead or Sand Fence at Coney Island.

Secretary's Order No. 18960.—This was erected along land granted to John B. McPherson and Albert D. Buschman. Begun April 12 and finished May 23, 1899, under permit to said parties.

Approaches at Sea Gate, Coney Island.

Secretary's Order No. 19150.—Two approaches were constructed to boat-float on property owned by Atlantic Yacht Club; also present breakwater was sheathed; also additional breakwater was constructed. Begun May 22 and finished July 12, 1899.

Pier at Norton's Point, Coney Island.

Secretary's Order No. 19083.—Repairs were made under permit to Long Island Railroad Company. Begun May 19 and finished May 23, 1899.

Bulkhead at Sea Gate.

Secretary's Order No. 19441.—Erected under permit to Norton Point Land Company. Begun September 19 and finished December 11, 1899.

Fence, Thirty-Seventh Street, Coney Island.

Secretary's Order No. 19091.—Iron posts for fence were placed on fence line running down to beach at low water. Begun May 11 and finished May 22, 1899.

Jetty at Coney Island.

Secretary's Order No. 19666.—A jetty is being constructed about 200 feet west of West Tenth street, extending 200 feet out into the Atlantic Ocean, under permit to Charles Feltman. Begun November 20, 1899; in progress.

Jetty at Terminal of Long Island Railroad.

Secretary's Order No. 19633.—A jetty was built at the westerly terminal, near West Eighth street, extending 600 feet from high water mark out, under permit to Long Island Railroad Company. Begun November 1 and finished December 11, 1899.

Jetty in front of Bathing Pavilion.

Secretary's Order No. 19685.—A jetty is being erected in front of pavilion, under permit to Joseph Balmer, owner; in progress.

Pumping Sand at Sheepshead Bay.

Secretary's Order No. 19693.—Sand is being deposited on meadow land at Manhattan Beach, under permit to Manhattan Beach Hotel and Land Company (Limited); in progress.

Foot of Bay Thirty-seventh Street.

Secretary's Order No. 17804.—About 150 piles were pulled up on property of W. S. Renisen. Begun January 25 and finished February 6, 1899.

Foot of Bay Thirty-second Street, Bensonhurst.

Secretary's Order No. 19221.—Nine life-line piles were driven, under permit to Frederick Semken. Begun June 27 and finished June 28, 1899.

Work Supervised.

Pier foot of Bay Thirty-fifth Street.

Secretary's Order No. 19515.—About 75 bearing piles were driven, under permit to Cropsey & Mitchell. Begun October 2 and finished November 20, 1899.

Bath-houses Bay Twenty-second Street, Bath Beach.

Secretary's Order No. 19133.—These houses were located, under permit to George Shields, outside of water-line. Begun May 15, 1899; suspended.

Boat Landing between Bay Twenty-second and Twenty-third Streets.

Secretary's Order No. 19241.—Erected, under permit to George Shields. Begun June 14, 1899; suspended.

Bathing Lines, Bensonhurst.

Secretary's Order No. 19093.—Four piles were driven, under permit to Louis Oppikefer. Begun and finished June 14, 1899.

Bathing Lines, etc., Bay Twenty-second Street, Bath Beach.

Secretary's Order No. 18982.—Sixteen piles were replaced for bathing lines and small platform, under permit to George Shields. Begun May 15 and finished May 17, 1899.

Secretary's Order No. 18739.—Repairs were made to bulkhead. Begun December 16, 1898, and finished February 17, 1899.

Walk, etc., Bay Twenty-second Street, Bath Beach.

Secretary's Order No. 19096.—Walk was built on property of George Shields; also drove four mooring piles. Begun May 12 and finished May 22, 1899.

Platform between Bay Seventeenth and Eighteenth Streets, Bath Beach.

Secretary's Order No. 18836.—Pile platform was extended and building thereon was erected, under permit to Children's Aid Society. Begun March 13 and finished June 15, 1899.

Crib Bulkhead at Bath Beach.

Secretary's Order No. 18662.—Repairs were made at Crospey avenue and Bay Twentieth street. Begun December 1, 1898, and finished March 1, 1899.

Driving Piles at Seventeenth Avenue, Bath Beach.

Secretary's Order No. 18990.—Twelve spruce piles were driven on south side of Fort Lowrey Hotel and 12 in rear of dock thereat. Begun April 17 and finished May 8, 1899.

Bath Houses between Bay Twenty-second and Twenty-third Streets.

Secretary's Order No. 18924.—Spruce posts were driven at the bulkhead. Begun May 8 and finished May 11, 1899.

Bay Fourteenth Street, Bath Beach.

Secretary's Order No. 19230.—Dive platform was replanked in front of the Hollywood Hotel, under permit to G. E. Tarbell. Begun June 23 and finished June 29, 1899.

Boat House, Bath Beach.

Secretary's Order No. 18710.—Boat-house was extended to that of Marine and Field Club. Begun January 10 and finished April 10, 1899.

Pier, Forty-second Street.

Secretary's Order No. 19421.—Railroad transfer bridge and pontoon, also fender rack, platforms, etc. are being erected at the outer and southerly end, under permit to Bush Company (Limited); in progress.

Work Supervised.

Pier, Forty-second Street.

Secretary's Order No. 19109.—Extension being built and shed erected thereon, under permit to Bush Company (Limited). Begun September 18, 1899; in progress.

Pier between Fortieth and Forty-first Streets.

Secretary's Order No. 18582.—Shed was constructed. Begun November 14, 1898, and finished March 11, 1899.

Bulkhead, Thirty-ninth and Fortieth Streets.

Secretary's Order No. 19360.—Backing log was replaced and fender piles driven, under permit to J. Fred. Pierson. Begun August 1 and finished August 12, 1899.

Pier between Thirty-ninth and Fortieth Streets.

Secretary's Order No. 19353.—Portion of frame building was removed on end of pier, under permit to Manatee Fuller's Earth Mining and Manufacturing Company. Begun July 26 and finished August 3, 1899.

Pier at Forty-second Street.

Secretary's Order No. 18951.—Fender piles were repaired on south side, under permit to the Bush Company (Limited). Begun August 30 and finished September 10, 1899. Permit covering work to be done under this order having expired the same was returned.

Pier between Fortieth and Forty-first Streets.

Secretary's Order No. 18093.—Pier is being constructed, under permit to the Bush Company (Limited). Begun April 27, 1898, suspended.

Pier at Twenty-seventh Street.

Secretary's Order No. 19614.—Repairs were made, under permit to Brooklyn Warehouse and Dry Dock Company. Begun November 6 and finished November 14, 1899.

Secretary's Order No. 19478.—Repairs were made, under permit to Brooklyn Warehouse and Dry Dock Company. Begun September 19 and finished September 26, 1899.

Pier at Twenty-sixth Street.

Secretary's Order No. 18923.—Repairs were made to pier and small platform, under permit to Brooklyn Warehouse and Dry Dock Company. Begun April 4 and finished April 12, 1899.

Water-front between Twenty-fifth and Twenty-sixth Streets.

Secretary's Order No. 19089.—Improvement is being made, under permit to Brooklyn Dock and Terminal Company, Richard Lamb, engineer. Begun May 24, 1899; in progress.

Piles between Twenty-second and Twenty-third Streets.

Secretary's Order No. 19162.—Two cluster of piles were driven, under permit to A. L. Rogers. Begun and finished June 3, 1899.

Coal Pocket at Twelfth Street and Gowanus Canal.

Secretary's Order No. 19428.—This was erected, under permit to Brooklyn Union Gas Company. Begun September 1 and finished December 9, 1899.

Bridge at Ninth Street, Gowanus Canal.

Secretary's Order No. 18906.—Two holes were cut from 50 to 75 feet south of the bridge, under permit to Coney Island and Brooklyn Railroad Company. Begun March 3 and finished April 5, 1899.

Work Supervised.

Ice Platform at Sixth Street, Gowanus Canal, South Brooklyn.

Secretary's Order No. 19120.—Erected, under permit to Wallabout Ice Company. The work having been completed previous to the receipt of the order same was returned. Begun about April 11 and finished about April 13, 1899.

Piles at Sixth Street, Gowanus Canal.

Secretary's Order No. 18957.—Six spruce piles were driven and repairs were made to bulkhead. Begun April 1 and finished April 4, 1899.

Ice Bridge at Fourth Street, Gowanus Canal.

Secretary's Order No. 19128.—Erected between January 2 and January 30, 1899. Work having been done previous to receipt of order same is returned.

Derricks at Third Street, Gowanus Canal.

Secretary's Order No. 19094.—Old derricks were replaced on west bank of Gowanus Canal, under permit to J. H. Bahrenburg, Brother & Co. Begun March 15 and finished May 3, 1899.

Loomis Dock, Third Street, East Side of Gowanus Canal.

Secretary's Order No. 19369.—String piece was erected and replaced, under permit to John S. Loomis. Begun July 26 and finished July 28, 1899.

Dock at Second Avenue and Gowanus Canal.

Secretary's Order No. 19284.—Dock was cut through for sewer outlet, under permit to J. T. Smith. Begun July 27 and finished September 15, 1899.

Dock at First Street, Gowanus Canal.

Secretary's Order No. 19331.—Piles were driven for repairs to dock, under permit to C. J. Goldmark. Begun July 28 and finished August 2, 1899.

Coal Derrick at Degraw Street, Gowanus Canal.

Secretary's Order No. 19679.—Being erected on property of Z. O. Nelson & Son, under permit to said firm. In progress.

Coal Pocket at Union Street, Gowanus Canal.

Secretary's Order No. 19209.—Being erected, under permit to J. F. Schmadeke. Begun February 27, 1899; in progress.

Crib at Union Street, Gowanus Canal.

Secretary's Order No. 19337.—Trench was dug and repairs made, under permit to John Walsh. Begun July 17 and finished August 10, 1899.

Bulkhead North of Union Street Bridge, Gowanus Canal.

Secretary's Order No. 19064.—Repairs were made, extending about 100 feet north of Union street. James H. Dykeman notified to do the work. Begun July 17 and finished August 9, 1899.

Blacksmith Shop between Piers 53 and 54, Erie Basin.

Secretary's Order No. 19551.—This is being erected, under permit to Townsend & Osberg. Begun November 21, 1899; in progress.

Work Supervised.

Pier 47, Erie Basin.

Secretary's Order No. 19611. -- Repairing is being done, under permit to Trustees of estate of William Beard. Begun November 1, 1899; in progress.

Secretary's Order No. 19702. -- Extension being built and shed being erected, under permit to Trustees of estate of William Beard; in progress.

Bulkhead at Conover Street.

Secretary's Order No. 19680. -- This is being erected on property of Henry P. Kirkham & Son, under permit to said firm; in progress.

Pier 39, foot of Van Dyke Street.

Secretary's Order No. 19408. -- Pier is being rebuilt, under permit to Brooklyn Wharf and Warehouse Co. Begun October 2, 1899; in progress.

Pier 35, Atlantic Basin.

Secretary's Order No. 19419. -- An addition is being built, under permit to Brooklyn Wharf and Warehouse Company. Begun October 30, 1899; suspended.

West Central Pier, Atlantic Basin.

Secretary's Order No. 19144. -- Repairs to decking were made, the Brooklyn Wharf and Warehouse Company notified to place the pier in a safe condition. Begun June 2 and finished June 7, 1899.

Pier at Sackett Street.

Secretary's Order No. 18714. -- Repairs were made on north side of ferry slip. Begun June 1 and finished June 7, 1899.

Pier at Harrison Street.

Secretary's Order No. 19642. -- Two oak piles were driven at the end of pier under permit to Weehawken Wharf Company. Begun and finished November 20, 1899.

Improvement to Montague Street.

Secretary's Order No. 18613. -- Water front structures and transfer bridge slip, racks, were repaired under permit to Brooklyn Wharf and Warehouse Company. Begun April 9, and finished May 2, 1899.

Structures of Pennsylvania Railroad Company.

Secretary's Order No. 18568. -- Repairs were made to fences, ribbon pieces and north clump of ferry racks Brooklyn Annex ferry, foot of Fulton street, under permit to Pennsylvania Railroad Company. Begun November 3, 1898, and finished March 5, 1899. The permit having expired the same was returned.

Offices of Brooklyn Wharf and Warehouse Company.

Secretary's Order No. 19110. -- Offices were removed on its Pier 2, also filling-in was made of a small portion of slip on north side of Pier 4. Begun May 9 and finished June 1, 1899.

Property of Brooklyn Wharf and Warehouse Company.

Secretary's Order No. 19621. -- Repairs are being made for a period of six months. Begun November 8, 1898; in progress.

Bulkhead at Dock Street.

Secretary's Order No. 19697. -- Filling was replaced and repairs made to pavement, the Brooklyn Wharf and Warehouse Company being notified to do same. Begun December 9 and finished December 11, 1899.

Work Supervised.

Pier at Jay Street.

Secretary's Order No. 19492.—Repairs were made on pier 100 feet easterly consisting of driving bearing and fender piles. Begun September 29 and finished October 12, 1899.

Bulkhead between Adams and Jay Streets.

Secretary's Order No. 18979.—Temporary platform was extended on piles in front of bulkhead under permit to Arbuckle Brothers. Begun April 10 and finished May 16, 1899.

Dredging at Bridge Street.

Secretary's Order No. 19035.—Dredging is being done and repairs are being made to 100 feet of bulkhead under permit to H. D. Brookman. Begun May 11, 1899 ; in progress.

Bulkhead between Gold and Bridge Streets, E. R.

Secretary's Order No. 18759.—Piles were driven in front. Begun December 23, 1898, and finished March 10, 1899.

Coal Tower at Wallabout Canal, E. R.

Secretary's Order No. 19627.—Piles being driven for foundation of same south of Division avenue in front of property of Brooklyn Heights Railroad Co. Begun November 8, 1899 ; in progress.

Bulkhead, South Third Street, E. R.

Secretary's Order No. 19637.—Repairs were made under permit to American Sugar Refining Company. Begun November 13 and finished November 20, 1899.

Pier No. 2, Wallabout Basin, E. R.

Secretary's Order No. 19655.—Trolley and telegraph poles were temporarily removed in vicinity of pier, the Brooklyn Heights Railroad Company and the Western Union Telegraph Company having been notified to remove same. Begun November 17 and finished November 24, 1899.

Erection of Sheds, Wallabout Basin, E. R.

Secretary's Order No. 18845.—Shed is being erected, under permit to Pennsylvania Railroad Company, on second pier south of Kent avenue ; also, shed on bulkhead on either side of said pier for a distance of 50 feet inshore. Begun November 28, 1899 ; in progress.

Dock at Grand Street, E. R.

Secretary's Order No. 19503.—Repairs were made and 12 piles were driven, under permit to Degnon McLean Construction Company, for the Baltimore and Ohio Railroad Company. Begun September 27 and finished October, 1899.

Ice Bridge at Kent Avenue, Wallabout Canal, E. R.

Secretary's Order No. 19020.—Erected under permit to Messrs. W. O. Parkinson & Co. Begun April 10 and finished April 15, 1899.

Ferry Premises being Repaired, E. R.

Secretary's Order No. 19396.—Premises foot of Greenpoint avenue, foot of Grand street and from South Sixth to South Ninth streets for six months, under permit to Brooklyn Ferry Company of New York. Repairs were made to ferry racks from South Sixth to South Ninth streets. Begun August 14 and finished September 25, 1899 ; in progress.

Ferry Rack at Grand Street.

Secretary's Order No. 19270.—Repairs were made under permit to Nassau Ferry Company. Begun July 17 and finished July 22, 1899.

Work Supervised.

Pier at North Second Street.

Secretary's Order No. 19399.—Temporary coal hoisting mast was erected under permit to Harden Brothers Trucking Company. Begun and finished August 15, 1899.

Bulkhead South of North Second Street.

Secretary's Order No. 19658.—Watchman's house was removed under permit to Charles Murray. Begun and finished November 26, 1899.

Pier between North Second and North Third Streets.

Secretary's Order No. 18416.—Shed was erected under permit to American Sugar Refining Company. Begun August 1, 1898, and finished May 8, 1899.

Berthing of Public Baths.

Secretary's Order No. 18931.—Necessary arrangements were made at the foot of North Second street, Noble street and south side of pier at Forty-third street. Baths placed June 8, 1899.

Pier at North Fourth Street.

Secretary's Order No. 19283.—Repairs were made under permit to Lowell M. Palmer. Begun July 1 and finished July 8, 1899.

Pier South of North Fifth Street.

Secretary's Order No. 18943.—Extension was made and shed was erected under permit to Pennsylvania Railroad Company. Begun May 13 and finished August 23, 1899.

Piers at North Sixth, North Ninth and North Tenth Streets.

Secretary's Order No. 19214.—Repairs were made under permit to Lowell M. Palmer. Begun June 19 and finished June 29, 1900.

Pier, North Seventh Street.

Secretary's Order No. 19700.—Second story of shed being rebuilt under permit to Lowell M. Palmer. In progress.

Pier, North Eighth Street.

Secretary's Order No. 19183.—Platform was erected under permit to Lowell M. Palmer. Begun June 9 and finished June 19, 1899.

Piers, North Tenth, North Eleventh and North Twelfth Streets.

Secretary's Order No. 19171.—Broken fenders and fender piles were replaced under permit to Standard Oil Company. Begun June 6 and finished July 15, 1899.

Ferry Premises at Greenpoint Avenue.

Secretary's Order No. 18611.—Repairs were made. Begun December 1, 1898, and finished January 26, 1899. The time covered by the Order having expired, the Order was returned.

Bulkhead at Greenpoint Avenue, Newtown Creek.

Secretary's Order No. 18984.—Erected under permit to James D. Leary. Begun June 28 and finished November 23, 1899.

Wharf of A. J. & J. J. McCullom, Newtown Creek.

Secretary's Order No. 19401.—Coal hoisting tower was erected under permit to Messrs. McCullom. Begun August 21 and finished November 13, 1899.

BOROUGH OF QUEENS.

Piles at Platform Dock, Newtown Creek.

Secretary's Order No. 19528.—About fifteen piles were driven in front of platform between East avenue, Long Island City, under permit to Eppinger & Russell. Begun November 22 and finished December 2, 1899.

Platform at Dutch Kills Creek.

Secretary's Order No. 19119.—Temporary platform was constructed on the westerly bank between Borden avenue and Fifth street bridges. Channel was excavated in front of said platform under permit to Henry S. Kearny. Begun May 24; suspended July 8, 1899.

Improvements at Newtown Creek.

Secretary's Order No. 18719.—Improvements are being made to property owned by Cord Meyer & Co. under permit to said firm. Begun January 16, 1899; suspended April 14, 1899.

Dock at Sixth Street, Long Island City.

Secretary's Order No. 19081. Repairing was done. Begun May 25 and finished May 29, 1899.

Pier at Sixth Street, Long Island City.

Secretary's Order No. 19327.—Cluster of piles was driven at southwest corner under permit to Long Island Railroad Company. Begun July 12 and finished July 15, 1899.

Piers Between Seventh and Eighth Streets, Long Island City.

Secretary's Order No. 18856.—Pier was built under permit to Compagnie Generale des Asphaltes de France. Begun April 19 and finished June 9, 1899.

Standard Oil Works, Eighth Streets, Long Island City.

Secretary's Order No. 19667.—Repairs were made and dredging done under permit to Standard Oil Company. Begun November 23 and finished December 2, 1899.

Crib-bulkhead at Long Island City.

Secretary's Order No. 17966.—Erected south of and adjacent to Harris avenue, under permit to Young & Hotzner. Begun March 22, 1898, and finished July 6, 1899.

Raising Canal Boat at Temple Street.

Secretary's Order No. 18373.—A sunken canal boat is being raised, Trowbridge, Stephens & Winant having been notified to remove same. Begun about July 1, 1898; in progress.

Crib-bulkhead, near Orchard Street, Astoria.

Secretary's Order No. 19274.—Erected. Begun July 1 and finished November 11, 1899.

Pile Platform, etc., on Property of William Steinway and Others.

Secretary's Order No. 19043.—Pile platform was erected and filling in done behind bulkhead under permit to William H. Williams. Begun May 10 and finished June 14, 1899.

Piles Driven at Bowery Bay.

Secretary's Order No. 19078.—Fourteen piles were driven in front of Harbor Hotel, Kouwenhoven street, under permit to William Henry Muff. Begun and finished June 17, 1899.

Replacing Piles, Bowery Bay.

Secretary's Order No. 18978.—Twelve piles were replaced under permit to Daimler Manufacturing Company, No. 380 Potter avenue, Long Island City. Begun and finished April 12, 1899.

Work Supervised.

Small Dock and Float at North Beach.

Secretary's Order No. 19160.—Alterations and repairs were made under permit to Bowery Bay Building and Improvement Company. Begun June 5 and finished July 15, 1899.

Foundation Pier at North Beach.

Secretary's Order No. 19090.—Repairs were made by Bowery Bay Building and Improvement Company, under permit to said Company. Begun May 19 and finished July 15, 1899.

Pier at North Beach.

Secretary's Order No. 19420.—Thirty-five oak piles were replaced, and repairs made to two pile clusters at pier of New York and College Point Ferry Company, under permit to said company. Begun August 21 and finished August 26, 1899.

Sea Wall, North Beach.

Secretary's Order No. 19222.—About 18 piles were driven at the Brooklyn City Bowery Park. Begun June 5 and finished June 16, 1899.

Platform and Shed at Flushing Bay.

Secretary's Order No. 19349.—Erected on westerly shore under permit to Michael Seotz. Begun July 17 and finished August 23, 1899.

Removal of Bulkhead, Flushing Creek.

Secretary's Order No. 19088.—Gridiron bulkhead was removed in front of property of D. S. Jones & Co., and a pile platform erected thereat. Begun May 15 and finished July 14, 1899.

Piles at Bayside, Little Neck Bay.

Secretary's Order No. 19194.—Piles were replaced under permit to Olney M. Greene. Begun June 10 and finished June 13, 1899.

Small Dock near Bayside.

Secretary's Order No. 19195.—Repairs were made to dock at Voewood under permit to C. H. Gould. Begun June 6 and finished June 10, 1899.

Walk and Platform at Bayview Avenue, Rockaway Beach.

Secretary's Order No. 19114.—Walk and pile platform were replaced at Holland Station under permit to F. Hosch. Begun May 8 and finished May 19, 1899.

Pier at Pier Street, Rockaway Beach, Jamaica Bay.

Secretary's Order No. 19391.—A fence was put up by the Department, Charles T. McKeon and the Knickerbocker Steamboat Company having been directed to discontinue the use of the premises, and place same in a safe condition.

Seaside Dock, Rockaway Beach.

Secretary's Order No. 19238.—About 60 piles were driven under permit to Knickerbocker Steamboat Company. Begun June 15 and finished July 21, 1899.

Howard's Pier, Jamaica Bay.

Secretary's Order No. 19312.—Five two-story structures are being erected under permit to W. J. Howard. Begun July 7, 1899; suspended.

Small House and Bridge at Bayswater.

Secretary's Order No. 19140.—Erected between Bay street and Waterloo place, Far Rockaway. Begun June 1 and finished June 26, 1899.

BOROUGH OF RICHMOND.

Port Richmond.

Secretary's Order No. 18655.—Dock was constructed by the Jewett White Lead Company. Begun December 24, 1898, and finished February 20, 1899.

Secretary's Order No. 19121.—Ferry slip was extended. Begun June 7 and finished July 13, 1899.

Secretary's Order No. 19244.—Temporary staging was erected to place building to be removed. Begun June 26 and finished September 7, 1899. Water front has been restored to its original condition.

Secretary's Order No. 19310.—Crib-bulkhead, platform, a one-story shed and coal-run thereon were constructed under permit to National Lead Company were built. Begun July 5 and finished December 1, 1899.

Secretary's Order No. 19545.—Wharf structure was extended inshore to bulkhead about 70 feet under permit to Burlee Dry Dock Company. Begun September 23 and finished October 23, 1899.

Secretary's Order No. 19629.—Rebuilding 354 feet of crib-bulkhead on property of American Linseed Oil Company. Begun November 4 and finished November 11, 1899.

Westfield, S. I.

Secretary's Order No. 19587.—Repairs to breakwater and plank approach under permit to Mary Ann Beasley. Begun December 11 and finished December 19, 1899.

Dredging foot of Arietta Street, S. I. (Tompkinsville).

Secretary's Order No. 19551.—Dredging was done in front of dock at Tompkinsville under permit to Rapid Transit Railroad Company. Begun October 18 and finished October 20, 1899.

Dock at Stapleton, S. I.

Secretary's Order No. 19129.—Pipe-line dock was repaired. Begun May 23 and finished May 25, 1899.

Secretary's Order No. 19664.—Repairs were made at Merritt & Chapman Derrick and Wrecking Company's basin under permit to said company. Begun October 31 and finished November 27, 1899.

Secretary's Order No. 19665.—About 20 fender piles were driven under permit to Benjamin Brown. Begun November 27 and finished November 29, 1899.

Pile Pier at Richmond Beach.

Secretary's Order No. 19111.—Pile pier was constructed. Begun May 16 and finished June 10, 1899.

South Beach.

Secretary's Order No. 19015.—Repairs were made to dock in front of Happy Home Hotel. Begun April 25 and finished June 3, 1899.

Secretary's Order No. 19076.—Broken life-line piles were repaired. Begun May 18 and finished May 23, 1899.

Midland Beach.

Secretary's Order No. 18946.—Pier was constructed. Begun April 12 and finished July 14, 1899.

Secretary's Order No. 19016.—Dock was erected on southwesterly side. Begun May 4 and finished September 20, 1899.

Secretary's order No. 19518.—Temporary plank or horizontal sheathing was placed on the north side of pier. Begun September 2 and finished September 16, 1899, under permit to Midland Railroad Terminal Company.

Work Supervised.

Secretary's Order No. 19301.—Gate house and fence were placed on inner end of pier. Begun July 1 and finished July 17, 1899.

Great Kills, Gifford, S. I.

Secretary's Order No. 19347.—Boathouse was placed on property of M. Fitzgerald. Begun July 19 and finished July 20, 1899.

New Dorp Beach.

Secretary's Order No. 18944.—Dock was extended. Begun April 27 and finished May 20, 1899.

New Dorp, S. I.

Secretary's Order No. 19546.—Breakwater was repaired under permit to Edward Hett. Begun October 12 and finished October 18, 1899.

Dock at Rossville, S. I.

Secretary's Order No. 19031.—Repairs were made by H. D. Seguire. Begun May 3 and finished May 6, 1899.

Wharf, Rosebank, S. I.

Secretary's Order No. 18942.—Wharf was constructed at Fifth street. Begun April 24 and finished April 28, 1899.

Tottenville, S. I.

Secretary's Order No. 18033.—Pier was erected under permit to A. Kreusler. Begun April 23, 1898, and finished July 1, 1899.

Secretary's Order No. 19398.—Dock was constructed under permit to Hubbard R. Yetman. Begun August 26 and finished December 1, 1899.

New Wharfage Room.

NEW WHARFAGE ROOM.

NEW WHARFAGE ROOM MADE DURING THE YEAR ENDING DECEMBER 31, 1899.

CONSTRUCTION UNDER THE "NEW PLAN."

North River—	Linear Feet.	
Extension to Pier, new 29.....	480	
Watts Street Section (bulkhead-wall).....	65	
Pier at foot of Watts street.....	1,752	
Watts Street Section, extended (bulkhead-wall).....	125	
Canal Street Section, extended (bulkhead-wall).....	34	
Extension to Pier, new 45.....	258	
Gansevoort Section (bulkhead-wall).....	379	
Pier foot of Bloomfield street.....	711	
Pier foot of West Thirty-ninth street.....	1,460	
		<hr/> 5,264
East River—		
Catharine Street Pier.....	979	
Catharine Section (bulkhead-wall).....	108	
Rutgers Section (bulkhead-wall).....	146	
Pier, new 34 (Rutgers Section).....	932	
East Twenty-third Street Section (bulkhead-wall).....	156	
East Ninety-ninth Street Section (bulkhead-wall).....	96	
Pier at East Twentieth street.....	827	
		<hr/> 3,244
Total.....		<hr/> 8,508 <hr/>

New Wharfage Room.

CONSTRUCTION NOT UNDER "NEW PLAN."

		Linear Feet.
North River—		
Bulkhead foot of Gansevoort street.....	57	
Extension to Pier, old 56½	534	
Bulkhead inner end of former Pier, old 57.....	40	
Bulkhead at Bloomfield street.....	46	
Extension to Pier at Bloomfield street.....	345	
		<hr/> 1,022
East River—		
Pier at Eleventh street.....	400	
Bulkhead at Sixty-fourth street.....	30	
Bulkhead between Sixty-eighth and Sixty-ninth streets.....	51	
Crib-bulkhead between Eightieth and Eighty-first streets.....	215	
Extension to Pier at Blackwell's Island (east side).....	99	
Extension to Almshouse dock, Blackwell's Island.....	111	
Extension to Platform, Randall's Island.....	99	
Pier at Fordham Landing, Harlem river.....	670	
Platform at Riker's Island.....	244	
		<hr/> 1,919
Brooklyn—		
Pier 1, Wallabout Basin	1,324	
Bulkhead-wall north side of Pier 1.....	49	
Bulkhead platform between Piers 1 and 2.....	187	
Pier 2, Wallabout Basin.....	1,404	
		<hr/> 2,964
Queens—		
Bulkhead at Webster avenue, Long Island City.....	60	
Total.....		<hr/> <hr/> 5,965

TEMPORARY CONSTRUCTION UNDER "NEW PLAN."

North River—		Linear Feet.
Approach to Pier at West Thirty-ninth street.....	500	
East River—		
Rutgers Section crib-bulkhead.....	50	
Extension to Pier 48.....	260	
Platform foot of East Ninety-ninth street	315	
		<hr/> 625
Total.....		<hr/> <hr/> 1,125

PIERS AND BULKHEAD WALL BUILT BY THE DEPARTMENT OF DOCKS AND FERRIES FOR PRIVATE PARTIES, AT THEIR COST AND EXPENSE DURING THE YEAR 1899.

North River—		Linear Feet.
Barclay Street Section, extended bulkhead-wall (for Rheinlander estate)	139	
Rebuilding inner end of Pier, old 25, North river (for Rheinlander estate)	99	
Park Place Section, bulkhead-wall (for Rheinlander estate).....	186	
Total.....		<hr/> <hr/> 424

New Wharfage Room.

SUMMARY.

	Linear Feet.
Total new wharfage room under the "New Plan".....	8,508
Total new wharfage room not under "New Plan".....	5,965
Total new wharfage room under temporary construction under the "New Plan".....	1,125
Total.....	15,598
Total new wharfage room built by the Department at the cost and expense of private parties.....	424
Grand total of new wharfage room made during the year 1899.....	16,022

WHARFAGE ROOM DESTROYED DURING THE YEAR.

	Linear Feet.
North River—	
Bulkhead-wall across inner end of Pier 25.....	50
Inner end of Pier, old 27, and bulkhead platform southerly.....	514
Bulkhead-wall across inner end of pier at Watts street.....	60
Bulkhead from Perry to West Tenth streets.....	700
Portion of Bloomfield street pier covered by extension.....	40
Pier at West Seventeenth street.....	730
Pier and approach foot of West Forty-third street.....	1,050
	3,144
East River—	
Rutgers Section (Pier, old 43).....	675
Rutgers Section (Pier, old 44).....	705
Rutgers Section (Pier, old 42).....	704
Rutgers Section (east side of Pier, new 32, to east side of Rutgers slip).....	651
Catherine Section.....	177
Pier foot of East Eleventh street.....	400
East Twenty-third Street Section.....	1,535
Bulkhead foot of Thirty-sixth street.....	60
Pier foot of East Ninety-ninth street.....	28
Old pier at Fordham landing, Harlem River.....	269
	5,204
Brooklyn—	
Pier, old 1, Wallabout Basin.....	1,290
Bulkhead between Piers, old 1 and 2, Wallabout Basin.....	144
Pier, old 2, Wallabout Basin.....	1,418
Bulkhead south of Pier, old 2, Wallabout Basin.....	192
	3,044
Total wharfage room destroyed.....	11,392

NEW WHARFAGE ROOM TO BE MADE BY WORK BEGUN BUT NOT FINISHED DURING THE YEAR.

	Linear Feet.
North River—	
Pier, old 27, rebuilding inner end ; being done by the Department at the cost and expense of Rhinelander estate.....	218
Extension to Pier, new 26.....	410
Extension to Pier, old 56½.....	30
Extension to pier at Bloomfield street.....	40
West Forty-second Street Section (bulkhead-wall).....	201
West Forty-third Street Section (bulkhead-wall).....	60
	959

		New Wharfage Room.
		Linear Feet.
East River—		
Catharine Section (bulkhead-wall).....	69	
Rutgers Section (bulkhead-wall).....	731	
Rutgers Section (Pier, new 33).....	927	
East Twenty-third Street Section (bulkhead-wall)	2,299	
Pier at East Twenty-second street	1,273	
Pier at East Thirty-sixth street	270	
East Ninety-ninth Street Section (bulkhead-wall).....	12	
		<hr/> 5,581
Total new wharfage room to be made by work begun but not finished during the year.....		<hr/> 6,540
NEW WHARFAGE ROOM MADE BY PRIVATE PARTIES UNDER PERMIT FROM THE DEPARTMENT OF DOCKS AND FERRIES DURING THE YEAR ENDING DECEMBER 31, 1899.		
Borough of Manhattan—		Linear Feet.
Extension to Pier, old 25, North river.....	238	
Extension to Pier, old 27, North river.....	265	
Desbrosses Street Section (bulkhead-wall).....	156	
South Canal Street Section (bulkhead-wall).....	131	
Inner end of Pier, old 41, North river (rebuilding).....	174	
Extension to Pier 13, East river	885	
Platform between Eighty-second and Eighty-third streets, East river.....	30	
Platform foot of One Hundred and Twenty-sixth street, Harlem river.....	123	
		<hr/> 2,002
Borough of Brooklyn—		
Platform south of Gold street.....	80	
Platform between Jay and Adams streets.....	217	
Extension to Pier at North Eighth street	109	
Bulkhead foot Twenty-fifth street, Gowanus canal.....	220	
Extension to Pier foot of North Fifth street.....	619	
Pier extensions at Dwight street, Erie Basin.....	2,700	
Extension to Pier foot of Forty-second street	1,617	
Bulkhead near Greenpoint avenue, Newtown creek	802	
		<hr/> 6,364
Borough of Queens—		
Bulkhead north side Newtown creek, near Maspeth.....	398	
Pier between Seventh and Eighth streets, Long Island City.....	595	
Bulkhead south of Harris avenue, Long Island City.....	200	
Platform at Berrian's Island	82	
Bulkhead platform at Flushing creek.....	136	
Bulkhead near Orchard creek, Astoria	360	
		<hr/> 1,771
Borough of Richmond—		
Pier at Port Richmond.....	132	
Pier at New Dorp Beach.....	450	
Pier at Cliff street, Rosebank.....	79	
Pier at Richmond Beach.....	500	
Pier at Midland Beach.....	3,529	
Pier at New Dorp lane.....	115	
Pier at Port Richmond	95	
Pier at Tottenville.....	480	
		<hr/> 5,380
Total new wharfage room made by private parties during the year.....		<hr/> 15,517

New Wharfage Room.

NEW WHARFAGE ROOM BEGUN BUT NOT FINISHED BY PRIVATE PARTIES, UNDER PERMIT FROM THE DEPARTMENT OF DOCKS AND FERRIES, DURING THE YEAR.

Borough of The Bronx—	Linear Feet.
Crib-work, platform, etc., Oak Point.....	1,000
Borough of Brooklyn—	
Bulkhead foot of Conover street.....	345
Extension to Pier foot of Richards street, Erie Basin.....	461
Inshore extension to Pier 35, Atlantic Basin.....	362
	<hr/> 1,168
Total new wharfage room begun but not finished during the year by private parties.....	<hr/> 2,268

WHARFAGE ROOM REMOVED BY PRIVATE PARTIES DURING THE YEAR UNDER PERMIT FROM THE DEPARTMENT OF DOCKS AND FERRIES.

Borough of Manhattan—	Linear Feet.
Bulkhead south of Pier, old 41, North river.....	90
Bulkhead inner end of Pier, old 41, North river.....	65
Pier 13, East river.....	681
Platform foot of One Hundred and Twenty-sixth street, Harlem river....	40
	<hr/> 876
Borough of Brooklyn—	
Platform south of Gold street.....	80
Bulkhead at Twenty-fifth street, Gowanus Canal	51
Bulkhead between Adams and Jay streets.....	212
Extension to pier at North Fifth street.....	287
Extension to pier at North Eighth street.....	100
Extension to pier foot of Forty-second street.....	1,074
Extension to pier foot of Richards street.....	461
Inshore extension to Pier 35, Atlantic Basin.....	457
	<hr/> 2,722
Borough of Queens—	
Pier between Seventh and Eighth streets, Long Island City	35
Bulkhead south of Harris avenue, Long Island City.....	229
Platform at Berrian's creek.....	146
Bulkhead at Flushing creek.....	136
	<hr/> 546
Total wharfage room destroyed by private parties during the year.....	<hr/> 4,144

The total increase of new wharfage room made by the City during the year ending December 31, 1899, is 16,022 linear feet, of which 424 linear feet was built by the City at the cost and expense of private parties, and 11,392 linear feet of wharfage room was destroyed to make room for contemplated improvements, leaving a net increase of new wharfage room for the year of 4,630 linear feet.

15,517 linear feet of new wharfage room have also been made by private parties, and 4,144 linear feet of wharfage room was destroyed, leaving a net increase of new wharfage room made by private parties of 11,373 linear feet, making altogether a grand total of net increase of new wharfage room made by the City and private parties of 16,003 feet.

New Wharfage Room.

The superficial area of the City's piers has been increased by about 350,000 square feet.

Three new piers have been completed by the City on the North river, three on the East river and two on the Wallabout Basin, in the Borough of Brooklyn.

Three piers have been extended by the City on the North river, one on the East river and two platforms were built at Riker's and Randall's Islands.

One pier has been extended inshore, and two sections of bulkhead or river wall have been constructed by the City on the North river at the cost and expense of private parties.

Two piers have been extended inshore and one outshore, and two sections of bulkhead or river wall have been built on the North river, and one pier has been extended on the East river by private parties.

Of the bulkhead or river wall completed during the year 603 linear feet have been built on the North river and 506 linear feet on the East river. On the North river 325 linear feet of bulkhead wall has been constructed by the City at the cost and expense of private parties. The total of new bulkhead or river wall built by the City during the year is 1,434 feet.

287 linear feet of bulkhead or river wall have also been built during the year by private parties.

The total of new bulkhead or river wall built during the year by the City and by private parties is 1,721 linear feet.

